

# LBB

查询"187LBB450M2BH"供应商

## +85°C Snap-Mount Aluminum Electrolytic Capacitors



### FEATURES

- High ripple Current Ratings
- Large Case Size Selection
- Extended Life
- High Voltage
- Lead free Leads
- Rugged Design

### SPECIFICATIONS

|                               |            |                                                                                        |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
|-------------------------------|------------|----------------------------------------------------------------------------------------|-----|------|------|------|------------------------------------------------------------------------------------------------------|------|------|----------------|-----|-----|-----|-----|--|
| Capacitance Tolerance         |            | ±20% at 120Hz, 20°C                                                                    |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
| Operating Temperature Range   |            | -40°C to +85°C                                                                         |     |      |      |      |                                                                                                      |      |      | -25°C to +85°C |     |     |     |     |  |
| Dissipation Factor            | WVDC       | 16                                                                                     | 25  | 35   | 50   | 63   | 80                                                                                                   | 100  | 160  | 200            | 250 | 350 | 400 | 450 |  |
|                               | tan δ      | .4                                                                                     | .3  | .25  | .2   | .15  | .15                                                                                                  | .15  | .1*  | .1*            | .1* | .15 | .15 | .15 |  |
| *Note: .15 for 35mm diameters |            |                                                                                        |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
| Impedance Ratio<br>120Hz      | WVDC       | 16                                                                                     | 25  | 35   | 50   | 63   | 80                                                                                                   | 100  | 160  | 200            | 250 | 350 | 400 | 450 |  |
|                               | -25°C/20°C | 4                                                                                      | 3   | 3    | 2    | 2    | 2                                                                                                    | 2    | 4    | 4              | 4   | 4   | 8   | 8   |  |
|                               | -40°C/20°C | 15                                                                                     | 10  | 8    | 6    | 6    | 5                                                                                                    | 5    | -    | -              | -   | -   | -   | -   |  |
| Leakage Current               | WVDC       | ≤450 WVDC                                                                              |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
|                               | Time       | 5 minutes                                                                              |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
|                               |            | .02 CV or 3mA<br>whichecker is smaller                                                 |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
| Load Life                     |            | 3,000 hours at +85°C with rated WVDC and rated ripple current                          |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
|                               |            | Capacitance change<br>Dissipation factor<br>Leakage current                            |     |      |      |      | ≤ 20% of initial measured value<br>≤200% of initial specified value<br>≤100% Initial specified value |      |      |                |     |     |     |     |  |
| Shelf life                    |            | 1,000 hours at 85°C with no voltage applied. Units will meet load life specifications. |     |      |      |      |                                                                                                      |      |      |                |     |     |     |     |  |
| Ripple Current<br>Multipliers |            | Frequency (Hz)                                                                         |     |      |      |      | Temperature (°C)                                                                                     |      |      |                |     |     |     |     |  |
|                               | WVDC       | 50                                                                                     | 120 | 300  | 1k   | 10k+ | +85C                                                                                                 | +70C | +60C | +45C           |     |     |     |     |  |
|                               | 16 to 50   | .95                                                                                    | 1.0 | 1.03 | 1.05 | 1.08 | 1.0                                                                                                  | 1.32 | 1.5  | 1.73           |     |     |     |     |  |
|                               | 6.3 to 100 | .92                                                                                    | 1.0 | 1.07 | 1.13 | 1.19 | 1.0                                                                                                  | 1.32 | 1.5  | 1.73           |     |     |     |     |  |
|                               | 160 to 250 | .81                                                                                    | 1.0 | 1.17 | 1.32 | 1.45 | 1.0                                                                                                  | 1.32 | 1.5  | 1.73           |     |     |     |     |  |
|                               | 350 to 450 | .77                                                                                    | 1.0 | 1.16 | 1.13 | 1.41 | 1.0                                                                                                  | 1.32 | 1.5  | 1.73           |     |     |     |     |  |

### SPECIAL ORDER OPTIONS

(See pages 33 thru 37)

- Special tolerances: ±10%(K), -10% + 30%(Q)
- Epoxy end sealing (PX)



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## PHYSICAL DIMENSIONS

| WVDC<br>(SV)<br>μF | 16<br>(20) | 25<br>(32) | 35<br>(44) | 50<br>(63) | 63<br>(79) | 80<br>(100)    | 100<br>(125)                     | 160<br>(200)              | 200<br>(250)                     | 250<br>(300)                     | 350<br>(400)                     | 400<br>(450)            | 450<br>(500)                     |
|--------------------|------------|------------|------------|------------|------------|----------------|----------------------------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------|----------------------------------|
| 82                 |            |            |            |            |            |                |                                  |                           |                                  |                                  | → 22x25                          | 22x30                   |                                  |
| 100                |            |            |            |            |            |                |                                  |                           |                                  |                                  | → 22x25                          | 22x30<br>25x25          | 22x35<br>25x25<br>25x30<br>30x25 |
| 120                |            |            |            |            |            |                |                                  |                           |                                  |                                  | → 22x30<br>25x25                 | 22x30<br>25x25          | 22x40<br>25x30<br>30x25          |
| 150                |            |            |            |            |            |                |                                  |                           |                                  |                                  | → 22x30<br>25x25                 | 22x35<br>25x30<br>30x25 | 22x45<br>25x35<br>30x30          |
| 180                |            |            |            |            |            |                |                                  |                           |                                  |                                  | → 22x35<br>25x30<br>30x25        | 22x40<br>25x35<br>30x25 | 22x50<br>25x40<br>30x30<br>35x25 |
| 220                |            |            |            |            |            |                |                                  | → 22x25                   | 22x25                            | 22x40<br>25x35<br>30x25          | 22x50<br>25x40<br>30x30<br>35x25 | 25x45<br>30x35<br>35x30 |                                  |
| 270                |            |            |            |            |            |                |                                  | → 22x25                   | 22x30<br>25x25                   | 22x50<br>25x40<br>30x30<br>35x25 | 25x40<br>30x35<br>35x30          | 25x25<br>30x40          |                                  |
| 330                |            |            |            |            |            |                |                                  | → 22x25                   | 22x30<br>25x25                   | 22x35<br>25x30                   | 25x45<br>30x35<br>35x30          | 25x50<br>30x40<br>35x30 | 30x45<br>35x35                   |
| 390                |            |            |            |            |            |                |                                  | → 22x25                   | 22x30<br>25x25                   | 22x35<br>25x30<br>30x25          | 25x50<br>30x40<br>35x30          | 30x45<br>35x35          | 35x40                            |
| 470                |            |            |            |            |            |                |                                  | → 22x30<br>25x25          | 22x35<br>25x30<br>30x25          | 22x40<br>25x35<br>30x25<br>35x25 | 30x40<br>35x35                   | 35x40                   | 35x45                            |
| 560                |            |            |            |            |            |                |                                  | → 22x35<br>25x25          | 22x40<br>25x35<br>30x25          | 22x50<br>25x40<br>30x30<br>35x25 | 30x50<br>35x40                   | 35x45                   |                                  |
| 680                |            |            |            |            |            |                |                                  | → 22x40<br>25x30<br>30x25 | 22x45<br>25x35<br>30x30<br>35x25 | 25x45<br>30x35<br>35x30          | 35x45                            | 35x50                   |                                  |
| 820                |            |            |            |            |            |                |                                  | → 22x45<br>25x35<br>30x30 | 25x40<br>30x30<br>35x25          | 25x50<br>30x40<br>35x30          |                                  |                         |                                  |
| 1000               |            |            |            |            | → 22x25    | 22x30<br>25x25 | 22x50<br>25x40<br>30x30<br>35x25 | 25x50<br>30x35<br>35x30   | 30x45<br>35x35<br>30x50          |                                  |                                  |                         |                                  |

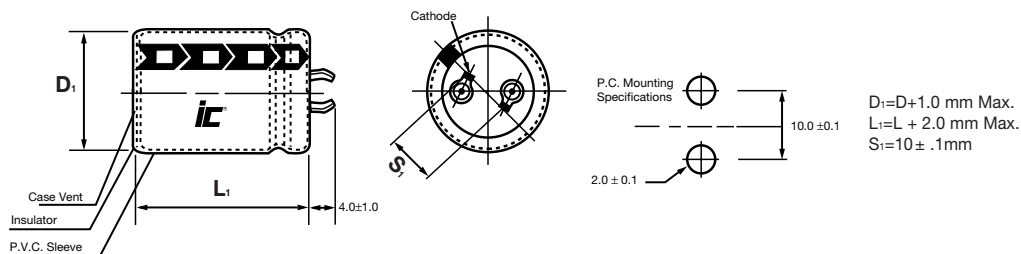
Convert to inches, divide by 25.4.

DxL(mm)

| WVDC (SV)<br>μF | 16<br>(20)                       | 25<br>(32)                       | 35<br>(44)                       | 50<br>(63)                       | 63<br>(79)                       | 80<br>(100)                      | 100<br>(125)                     | 160<br>(200)   | 200<br>(250) | 250<br>(300) | 350<br>(400) | 400<br>(450) | 450<br>(500) |
|-----------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|
| 1200            |                                  |                                  |                                  |                                  |                                  | 22x30<br>25x25                   | 25x45<br>30x35<br>35x30          | 30x40<br>35x35 | 35x40        |              |              |              |              |
| 1500            |                                  |                                  |                                  |                                  | 22x25                            | 22x30<br>25x25                   | 22x35<br>25x30                   | 30x40<br>35x35 | 35x40        | 35x50        |              |              |              |
| 1800            |                                  |                                  |                                  |                                  |                                  |                                  | 30x25<br>22x40<br>25x35<br>30x30 | 30x45<br>35x35 | 35x45        |              |              |              |              |
| 2200            |                                  |                                  |                                  | 22x25                            | 22x30<br>25x25                   | 22x40<br>25x30<br>30x25          | 22x50<br>25x40<br>30x30<br>35x25 | 35x45          | 35x50        |              |              |              |              |
| 3300            |                                  |                                  | 22x25                            | 22x30<br>25x25                   | 22x35<br>25x30<br>30x25          | 22x50<br>25x40<br>30x30<br>35x25 | 25x50<br>30x40<br>35x30          |                |              |              |              |              |              |
| 4700            |                                  | 22x25                            | 22x30<br>25x25                   | 22x35<br>25x30<br>30x25          | 22x45<br>25x35<br>30x30<br>35x25 | 25x50<br>30x40<br>35x30          | 30x50<br>35x40                   |                |              |              |              |              |              |
| 6800            | 22x25                            | 22x30<br>25x25                   | 22x35<br>25x30<br>30x25          | 22x50<br>25x40<br>30x30<br>35x25 | 25x50<br>30x35<br>35x30          | 30x50<br>35x40                   | 35x50                            |                |              |              |              |              |              |
| 10000           | 22x25<br>25x25                   | 22x35<br>25x30<br>30x25          | 22x45<br>25x35<br>30x30<br>35x25 | 25x50<br>30x35<br>35x30          | 30x45<br>35x40                   |                                  |                                  |                |              |              |              |              |              |
| 15000           | 22x35<br>25x30<br>30x25          | 22x45<br>25x35<br>30x30<br>35x25 | 25x50<br>30x35<br>35x30          | 30x50<br>35x40                   | 35x50                            |                                  |                                  |                |              |              |              |              |              |
| 22000           | 22x50<br>25x40<br>30x30<br>35x25 | 25x45<br>30x35<br>35x30          | 30x45<br>35x40                   |                                  |                                  |                                  |                                  |                |              |              |              |              |              |
| 33000           | 30x40<br>35x30                   | 30x50<br>35x40                   | 35x50                            |                                  |                                  |                                  |                                  |                |              |              |              |              |              |
| 47000           | 30x50<br>35x40                   |                                  |                                  |                                  |                                  |                                  |                                  |                |              |              |              |              |              |

Convert to inches, divide by 25.4.

DxL(mm)



3 and 4 pin mounting styles available on special order. Contact I.C. for details

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## STANDARD PART LISTING

| Capacitance<br>(μF) | WVDC | IC <sup>®</sup> PART<br>NUMBER | Maximum<br>ESR<br>mΩ<br>120Hz, +20°C | Maximum RMS<br>Ripple Current<br>(A)<br>120Hz, +85°C | Dimensions<br>DxL<br>(mm) |
|---------------------|------|--------------------------------|--------------------------------------|------------------------------------------------------|---------------------------|
| 82                  | 400  | 826LBB400M2BC                  | 3032.68                              | 0.76                                                 | 22x25                     |
| 82                  | 450  | 826LBB450M2BD                  | 3032.68                              | 0.83                                                 | 22x30                     |
| 100                 | 350  | 107LBB350M2BC                  | 2486.80                              | 0.86                                                 | 22x25                     |
| 100                 | 400  | 107LBB400M2BD                  | 2486.80                              | 0.91                                                 | 22x30                     |
| 100                 | 400  | 107LBB400M2CC                  | 2486.80                              | 0.91                                                 | 25x25                     |
| 100                 | 450  | 107LBB450M2BE                  | 2486.80                              | 0.97                                                 | 22x35                     |
| 100                 | 450  | 107LBB450M2CC                  | 2486.80                              | 0.9                                                  | 25x25                     |
| 100                 | 450  | 107LBB450M2CD                  | 2486.80                              | 0.98                                                 | 25x30                     |
| 100                 | 450  | 107LBB450M2DC                  | 2486.80                              | 1.02                                                 | 30x25                     |
| 120                 | 350  | 127LBB350M2BD                  | 2072.33                              | 0.86                                                 | 22x30                     |
| 120                 | 350  | 127LBB350M2CC                  | 2072.33                              | 0.86                                                 | 25x25                     |
| 120                 | 400  | 127LBB400M2BD                  | 2072.33                              | 1                                                    | 22x30                     |
| 120                 | 400  | 127LBB400M2CC                  | 2072.33                              | 1                                                    | 25x25                     |
| 120                 | 450  | 127LBB450M2BF                  | 2072.33                              | 1.13                                                 | 22x40                     |
| 120                 | 450  | 127LBB450M2CD                  | 2072.33                              | 1.08                                                 | 25x30                     |
| 120                 | 450  | 127LBB450M2DC                  | 2072.33                              | 1.12                                                 | 30x25                     |
| 150                 | 350  | 157LBB350M2BD                  | 1657.86                              | 0.96                                                 | 22x30                     |
| 150                 | 350  | 157LBB350M2CC                  | 1657.86                              | 1.1                                                  | 25x25                     |
| 150                 | 400  | 157LBB400M2BE                  | 1657.86                              | 1.19                                                 | 22x35                     |
| 150                 | 400  | 157LBB400M2CD                  | 1657.86                              | 1.2                                                  | 25x30                     |
| 150                 | 400  | 157LBB400M2DC                  | 1657.86                              | 1.25                                                 | 30x25                     |
| 150                 | 450  | 157LBB450M2BG                  | 1657.86                              | 1.33                                                 | 22x45                     |
| 150                 | 450  | 157LBB450M2CE                  | 1657.86                              | 1.28                                                 | 25x35                     |
| 150                 | 450  | 157LBB450M2DD                  | 1657.86                              | 1.34                                                 | 30x30                     |
| 180                 | 350  | 187LBB350M2BE                  | 1381.55                              | 1.13                                                 | 22x35                     |
| 180                 | 350  | 187LBB350M2CD                  | 1381.55                              | 1.14                                                 | 25x30                     |
| 180                 | 350  | 187LBB350M2DC                  | 1381.55                              | 1.18                                                 | 30x25                     |
| 180                 | 400  | 187LBB400M2BF                  | 1381.55                              | 1.38                                                 | 22x40                     |
| 180                 | 400  | 187LBB400M2CE                  | 1381.55                              | 1.4                                                  | 25x35                     |
| 180                 | 400  | 187LBB400M2DC                  | 1381.55                              | 1.37                                                 | 30x25                     |
| 180                 | 450  | 187LBB450M2BH                  | 1381.55                              | 1.53                                                 | 22x50                     |
| 180                 | 450  | 187LBB450M2CF                  | 1381.55                              | 1.49                                                 | 25x40                     |
| 180                 | 450  | 187LBB450M2DD                  | 1381.55                              | 1.47                                                 | 30x30                     |
| 180                 | 450  | 187LBB450M2EC                  | 1381.55                              | 1.5                                                  | 35x25                     |
| 220                 | 200  | 227LBB200M2BC                  | 753.57                               | 1.25                                                 | 22x25                     |
| 220                 | 250  | 227LBB250M2BC                  | 753.57                               | 1.31                                                 | 22x25                     |
| 220                 | 350  | 227LBB350M2BF                  | 1130.36                              | 1.32                                                 | 22x40                     |
| 220                 | 350  | 227LBB350M2CE                  | 1130.36                              | 1.44                                                 | 25x35                     |
| 220                 | 350  | 227LBB350M2DC                  | 1130.36                              | 1.3                                                  | 30x25                     |
| 220                 | 400  | 227LBB400M2BH                  | 1130.36                              | 1.69                                                 | 22x50                     |
| 220                 | 400  | 227LBB400M2CF                  | 1130.36                              | 1.64                                                 | 25x40                     |
| 220                 | 400  | 227LBB400M2DD                  | 1130.36                              | 1.62                                                 | 30x30                     |
| 220                 | 400  | 227LBB400M2EC                  | 1130.36                              | 1.66                                                 | 35x25                     |
| 220                 | 450  | 227LBB450M2CG                  | 1130.36                              | 1.73                                                 | 25x45                     |
| 220                 | 450  | 227LBB450M2DE                  | 1130.36                              | 1.72                                                 | 30x35                     |
| 220                 | 450  | 227LBB450M2ED                  | 1130.36                              | 1.78                                                 | 35x30                     |
| 270                 | 200  | 277LBB200M2BC                  | 614.02                               | 1.67                                                 | 22x25                     |

| Capacitance<br>(μF) | WVDC | IC <sup>®</sup> PART<br>NUMBER | Maximum<br>ESR<br>mΩ<br>120Hz, +20°C | Maximum RMS<br>Ripple Current<br>(A)<br>120Hz, +85°C | Dimensions<br>DxL<br>(mm) |
|---------------------|------|--------------------------------|--------------------------------------|------------------------------------------------------|---------------------------|
| 270                 | 250  | 277LBB250M2BD                  | 614.02                               | 1.57                                                 | 22x30                     |
| 270                 | 250  | 277LBB250M2CC                  | 614.02                               | 1.57                                                 | 25x25                     |
| 270                 | 350  | 277LBB350M2BH                  | 921.04                               | 1.61                                                 | 22x50                     |
| 270                 | 350  | 277LBB350M2CF                  | 921.04                               | 1.57                                                 | 25x40                     |
| 270                 | 350  | 277LBB350M2DD                  | 921.04                               | 1.55                                                 | 30x30                     |
| 270                 | 350  | 277LBB350M2EC                  | 921.04                               | 1.59                                                 | 35x25                     |
| 270                 | 400  | 277LBB400M2CG                  | 921.04                               | 1.92                                                 | 25x45                     |
| 270                 | 400  | 277LBB400M2DE                  | 921.04                               | 1.91                                                 | 30x35                     |
| 270                 | 400  | 277LBB400M2ED                  | 921.04                               | 1.97                                                 | 35x30                     |
| 270                 | 450  | 277LBB450M2DF                  | 921.04                               | 2.02                                                 | 30x40                     |
| 270                 | 450  | 277LBB450M2EE                  | 921.04                               | 2.1                                                  | 25x25                     |
| 330                 | 160  | 337LBB160M2BC                  | 502.38                               | 1.4                                                  | 22x25                     |
| 330                 | 200  | 337LBB200M2BD                  | 502.38                               | 1.66                                                 | 22x30                     |
| 330                 | 200  | 337LBB200M2CC                  | 502.38                               | 1.66                                                 | 25x25                     |
| 330                 | 250  | 337LBB250M2BE                  | 502.38                               | 1.85                                                 | 22x35                     |
| 330                 | 250  | 337LBB250M2CD                  | 502.38                               | 1.87                                                 | 25x30                     |
| 330                 | 350  | 337LBB350M2CG                  | 753.57                               | 1.82                                                 | 25x45                     |
| 330                 | 350  | 337LBB350M2DE                  | 753.57                               | 1.83                                                 | 30x35                     |
| 330                 | 350  | 337LBB350M2ED                  | 753.57                               | 1.88                                                 | 35x30                     |
| 330                 | 400  | 337LBB400M2CH                  | 753.57                               | 2.22                                                 | 25x50                     |
| 330                 | 400  | 337LBB400M2DF                  | 753.57                               | 2.23                                                 | 30x40                     |
| 330                 | 400  | 337LBB400M2ED                  | 753.57                               | 2.18                                                 | 35x30                     |
| 330                 | 450  | 337LBB450M2DG                  | 753.57                               | 2.35                                                 | 30x45                     |
| 330                 | 450  | 337LBB450M2EE                  | 753.57                               | 2.32                                                 | 35x35                     |
| 390                 | 160  | 397LBB160M2BC                  | 425.09                               | 1.44                                                 | 22x25                     |
| 390                 | 200  | 397LBB200M2BD                  | 425.09                               | 1.8                                                  | 22x30                     |
| 390                 | 200  | 397LBB200M2CC                  | 425.09                               | 1.8                                                  | 25x25                     |
| 390                 | 250  | 397LBB250M2BE                  | 425.09                               | 2.01                                                 | 22x35                     |
| 390                 | 250  | 397LBB250M2CD                  | 425.09                               | 2.03                                                 | 25x30                     |
| 390                 | 250  | 397LBB250M2DC                  | 425.09                               | 2.1                                                  | 30x25                     |
| 390                 | 350  | 397LBB350M2CH                  | 637.64                               | 2.08                                                 | 25x50                     |
| 390                 | 350  | 397LBB350M2DF                  | 637.64                               | 2.1                                                  | 30x40                     |
| 390                 | 350  | 397LBB350M2ED                  | 637.64                               | 2.04                                                 | 35x30                     |
| 390                 | 400  | 397LBB400M2DG                  | 637.64                               | 2.55                                                 | 30x45                     |
| 390                 | 400  | 397LBB400M2EE                  | 637.64                               | 2.52                                                 | 35x35                     |
| 390                 | 450  | 397LBB450M2EF                  | 637.64                               | 2.66                                                 | 35x40                     |
| 470                 | 160  | 477LBB160M2BD                  | 352.74                               | 1.73                                                 | 22x30                     |
| 470                 | 160  | 477LBB160M2CC                  | 352.74                               | 1.74                                                 | 25x25                     |
| 470                 | 200  | 477LBB200M2BE                  | 352.74                               | 1.78                                                 | 22x35                     |
| 470                 | 200  | 477LBB200M2CD                  | 352.74                               | 2.13                                                 | 25x30                     |
| 470                 | 200  | 477LBB200M2DC                  | 352.74                               | 2.21                                                 | 30x25                     |
| 470                 | 250  | 477LBB250M2BF                  | 352.74                               | 2.34                                                 | 22x40                     |
| 470                 | 250  | 477LBB250M2CE                  | 352.74                               | 2.38                                                 | 25x35                     |
| 470                 | 250  | 477LBB250M2DC                  | 352.74                               | 2.31                                                 | 30x25                     |
| 470                 | 250  | 477LBB250M2EC                  | 529.11                               | 2.54                                                 | 35x25                     |
| 470                 | 350  | 477LBB350M2DF                  | 529.11                               | 2.3                                                  | 30x40                     |
| 470                 | 350  | 477LBB350M2EE                  | 529.11                               | 2.38                                                 | 35x35                     |

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## STANDARD PART LISTING

| Capacitance<br>(μF) | WVDC | IC PART<br>NUMBER | Maximum<br>ESR<br>mΩ<br>120Hz, +20°C | Maximum RMS<br>Ripple Current<br>(A)<br>120Hz, +85°C | Dimensions<br>DxL<br>(mm) |
|---------------------|------|-------------------|--------------------------------------|------------------------------------------------------|---------------------------|
| 470                 | 400  | 477LBB400M2EF     | 529.11                               | 2.92                                                 | 35x40                     |
| 470                 | 450  | 477LBB450M2EG     | 529.11                               | 3.07                                                 | 35x45                     |
| 560                 | 160  | 567LBB160M2BE     | 296.05                               | 1.99                                                 | 22x35                     |
| 560                 | 160  | 567LBB160M2CC     | 296.05                               | 1.95                                                 | 25x25                     |
| 560                 | 200  | 567LBB200M2BF     | 296.05                               | 2.44                                                 | 22x40                     |
| 560                 | 200  | 567LBB200M2CE     | 296.05                               | 2.48                                                 | 25x35                     |
| 560                 | 200  | 567LBB200M2DC     | 296.05                               | 2.41                                                 | 30x25                     |
| 560                 | 250  | 567LBB250M2BH     | 296.05                               | 2.82                                                 | 22x50                     |
| 560                 | 250  | 567LBB250M2CF     | 296.05                               | 2.74                                                 | 25x40                     |
| 560                 | 250  | 567LBB250M2DD     | 296.05                               | 2.71                                                 | 30x30                     |
| 560                 | 250  | 567LBB250M2EC     | 444.07                               | 2.78                                                 | 35x25                     |
| 560                 | 350  | 567LBB350M2DH     | 444.07                               | 2.76                                                 | 30x50                     |
| 560                 | 350  | 567LBB350M2EF     | 444.07                               | 2.75                                                 | 35x40                     |
| 560                 | 400  | 567LBB400M2EG     | 444.07                               | 3.34                                                 | 35x45                     |
| 680                 | 160  | 687LBB160M2BF     | 243.80                               | 2.32                                                 | 22x40                     |
| 680                 | 160  | 687LBB160M2CD     | 243.80                               | 2.21                                                 | 25x30                     |
| 680                 | 160  | 687LBB160M2DC     | 243.80                               | 2.29                                                 | 30x25                     |
| 680                 | 200  | 687LBB200M2BG     | 243.80                               | 2.83                                                 | 22x45                     |
| 680                 | 200  | 687LBB200M2CE     | 243.80                               | 2.73                                                 | 25x35                     |
| 680                 | 200  | 687LBB200M2DD     | 243.80                               | 2.85                                                 | 30x30                     |
| 680                 | 200  | 687LBB200M2EC     | 365.71                               | 2.92                                                 | 35x25                     |
| 680                 | 250  | 687LBB250M2CG     | 243.80                               | 3.19                                                 | 25x45                     |
| 680                 | 250  | 687LBB250M2DE     | 243.80                               | 3.18                                                 | 30x35                     |
| 680                 | 250  | 687LBB250M2ED     | 365.71                               | 3.28                                                 | 35x30                     |
| 680                 | 350  | 687LBB350M2EG     | 365.71                               | 3.18                                                 | 35x45                     |
| 680                 | 400  | 687LBB400M2EH     | 365.71                               | 3.85                                                 | 35x50                     |
| 820                 | 160  | 827LBB160M2BG     | 202.18                               | 2.68                                                 | 22x45                     |
| 820                 | 160  | 827LBB160M2CE     | 202.18                               | 2.58                                                 | 25x35                     |
| 820                 | 160  | 827LBB160M2DD     | 202.18                               | 2.7                                                  | 30x30                     |
| 820                 | 200  | 827LBB200M2CF     | 202.18                               | 3.17                                                 | 25x40                     |
| 820                 | 200  | 827LBB200M2DD     | 202.18                               | 3.13                                                 | 30x30                     |
| 820                 | 200  | 827LBB200M2EC     | 303.27                               | 3.21                                                 | 35x25                     |
| 820                 | 250  | 827LBB250M2CH     | 202.18                               | 3.67                                                 | 25x50                     |
| 820                 | 250  | 827LBB250M2DF     | 202.18                               | 3.69                                                 | 30x40                     |
| 820                 | 250  | 827LBB250M2ED     | 303.27                               | 3.6                                                  | 35x30                     |
| 1000                | 80   | 108LBB080M2BC     | 248.68                               | 1.5                                                  | 22x25                     |
| 1000                | 100  | 108LBB100M2BD     | 248.68                               | 2                                                    | 22x30                     |
| 1000                | 100  | 108LBB100M2CC     | 248.68                               | 2                                                    | 25x25                     |
| 1000                | 160  | 108LBB160M2BH     | 165.79                               | 3.11                                                 | 22x50                     |
| 1000                | 160  | 108LBB160M2CF     | 165.79                               | 3.02                                                 | 25x40                     |
| 1000                | 160  | 108LBB160M2DD     | 165.79                               | 2.98                                                 | 30x30                     |
| 1000                | 160  | 108LBB160M2EC     | 248.68                               | 3.05                                                 | 35x25                     |
| 1000                | 200  | 108LBB200M2CH     | 165.79                               | 3.87                                                 | 25x50                     |
| 1000                | 200  | 108LBB200M2DE     | 165.79                               | 3.68                                                 | 30x35                     |
| 1000                | 200  | 108LBB200M2ED     | 248.68                               | 3.8                                                  | 35x30                     |
| 1000                | 250  | 108LBB250M2DG     | 165.79                               | 4.28                                                 | 30x45                     |
| 1000                | 250  | 108LBB250M2EE     | 248.68                               | 4.22                                                 | 35x35                     |

| Capacitance<br>(μF) | WVDC | IC PART<br>NUMBER | Maximum<br>ESR<br>mΩ<br>120Hz, +20°C | Maximum RMS<br>Ripple Current<br>(A)<br>120Hz, +85°C | Dimensions<br>DxL<br>(mm) |
|---------------------|------|-------------------|--------------------------------------|------------------------------------------------------|---------------------------|
| 1200                | 100  | 128LBB100M2BD     | 207.23                               | 2.1                                                  | 22x30                     |
| 1200                | 100  | 128LBB100M2CC     | 207.23                               | 2.1                                                  | 25x25                     |
| 1200                | 160  | 128LBB160M2CG     | 138.16                               | 3.49                                                 | 25x45                     |
| 1200                | 160  | 128LBB160M2DE     | 138.16                               | 3.48                                                 | 30x35                     |
| 1200                | 160  | 128LBB160M2ED     | 207.23                               | 3.59                                                 | 35x30                     |
| 1200                | 200  | 128LBB200M2DF     | 138.16                               | 4.26                                                 | 30x40                     |
| 1200                | 200  | 128LBB200M2EE     | 207.23                               | 4.42                                                 | 35x35                     |
| 1200                | 250  | 128LBB250M2DH     | 138.16                               | 4.91                                                 | 30x50                     |
| 1200                | 250  | 128LBB250M2EF     | 207.23                               | 4.88                                                 | 35x40                     |
| 1500                | 63   | 158LBB063M2BC     | 165.79                               | 1.66                                                 | 22x25                     |
| 1500                | 80   | 158LBB080M2BD     | 165.79                               | 2                                                    | 22x30                     |
| 1500                | 80   | 158LBB080M2CC     | 165.79                               | 2                                                    | 25x25                     |
| 1500                | 100  | 158LBB100M2BE     | 165.79                               | 2.41                                                 | 22x35                     |
| 1500                | 100  | 158LBB100M2CD     | 165.79                               | 2.43                                                 | 25x30                     |
| 1500                | 100  | 158LBB100M2DC     | 165.79                               | 2.46                                                 | 30x25                     |
| 1500                | 160  | 158LBB160M2DF     | 110.52                               | 4.11                                                 | 30x40                     |
| 1500                | 160  | 158LBB160M2EE     | 165.79                               | 4.26                                                 | 35x35                     |
| 1500                | 200  | 158LBB200M2EF     | 165.79                               | 5.02                                                 | 35x40                     |
| 1500                | 250  | 158LBB250M2EH     | 165.79                               | 5.74                                                 | 35x50                     |
| 1800                | 100  | 188LBB100M2BF     | 138.16                               | 2.77                                                 | 22x40                     |
| 1800                | 100  | 188LBB100M2CE     | 138.16                               | 2.75                                                 | 25x35                     |
| 1800                | 100  | 188LBB100M2DD     | 138.16                               | 2.35                                                 | 30x30                     |
| 1800                | 160  | 188LBB160M2DG     | 92.10                                | 4.73                                                 | 30x45                     |
| 1800                | 160  | 188LBB160M2EE     | 138.16                               | 4.67                                                 | 35x35                     |
| 1800                | 200  | 188LBB200M2EG     | 138.16                               | 4.32                                                 | 35x45                     |
| 2200                | 50   | 228LBB050M2BC     | 150.71                               | 1.91                                                 | 22x25                     |
| 2200                | 63   | 228LBB063M2BD     | 113.04                               | 2.31                                                 | 22x30                     |
| 2200                | 63   | 228LBB063M2CC     | 113.04                               | 2.3                                                  | 25x25                     |
| 2200                | 80   | 228LBB080M2BF     | 113.04                               | 2.44                                                 | 22x40                     |
| 2200                | 80   | 228LBB080M2CD     | 113.04                               | 2.46                                                 | 25x30                     |
| 2200                | 80   | 228LBB080M2DC     | 113.04                               | 2.49                                                 | 30x25                     |
| 2200                | 100  | 228LBB100M2BH     | 113.04                               | 3.08                                                 | 22x50                     |
| 2200                | 100  | 228LBB100M2CF     | 113.04                               | 3.13                                                 | 25x40                     |
| 2200                | 100  | 228LBB100M2DD     | 113.04                               | 3.09                                                 | 30x30                     |
| 2200                | 100  | 228LBB100M2EC     | 113.04                               | 3.14                                                 | 35x25                     |
| 2200                | 160  | 228LBB160M2EG     | 113.04                               | 4.96                                                 | 35x45                     |
| 2200                | 200  | 228LBB200M2EH     | 113.04                               | 4.92                                                 | 35x50                     |
| 3300                | 35   | 338LBB035M2BC     | 125.60                               | 2.05                                                 | 22x25                     |
| 3300                | 50   | 338LBB050M2BD     | 100.48                               | 2.37                                                 | 22x30                     |
| 3300                | 50   | 338LBB050M2CC     | 100.48                               | 2.38                                                 | 25x25                     |
| 3300                | 63   | 338LBB063M2BE     | 75.36                                | 2.62                                                 | 22x35                     |
| 3300                | 63   | 338LBB063M2CD     | 75.36                                | 2.64                                                 | 25x30                     |
| 3300                | 63   | 338LBB063M2DC     | 75.36                                | 2.78                                                 | 30x25                     |
| 3300                | 80   | 338LBB080M2BH     | 75.36                                | 3.16                                                 | 22x50                     |
| 3300                | 80   | 338LBB080M2CF     | 75.36                                | 3.21                                                 | 25x40                     |
| 3300                | 80   | 338LBB080M2DD     | 75.36                                | 3.17                                                 | 30x30                     |
| 3300                | 80   | 338LBB080M2EC     | 75.36                                | 3.5                                                  | 35x25                     |

查询"187LBB450M2BH"供应商

## STANDARD PART LISTING

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | Maximum<br>ESR<br>m $\Omega$<br>120Hz, +20°C | Maximum RMS<br>Ripple Current<br>(A)<br>120Hz, +85°C | Dimensions<br>DxL<br>(mm) |
|---------------------------|------|--------------------------------|----------------------------------------------|------------------------------------------------------|---------------------------|
| 3300                      | 100  | 338LBB100M2CH                  | 75.36                                        | 4.06                                                 | 25x50                     |
| 3300                      | 100  | 338LBB100M2DF                  | 75.36                                        | 4.05                                                 | 30x40                     |
| 3300                      | 100  | 338LBB100M2ED                  | 75.36                                        | 4.05                                                 | 35x30                     |
| 4700                      | 25   | 478LBB025M2BC                  | 105.82                                       | 2.25                                                 | 22x25                     |
| 4700                      | 35   | 478LBB035M2BD                  | 88.18                                        | 2.41                                                 | 22x30                     |
| 4700                      | 35   | 478LBB035M2CC                  | 88.18                                        | 2.42                                                 | 25x25                     |
| 4700                      | 50   | 478LBB050M2BE                  | 70.55                                        | 2.72                                                 | 22x35                     |
| 4700                      | 50   | 478LBB050M2CD                  | 70.55                                        | 2.98                                                 | 25x30                     |
| 4700                      | 50   | 478LBB050M2DC                  | 70.55                                        | 2.81                                                 | 30x25                     |
| 4700                      | 63   | 478LBB063M2BG                  | 52.91                                        | 3.04                                                 | 22x45                     |
| 4700                      | 63   | 478LBB063M2CE                  | 52.91                                        | 2.79                                                 | 25x35                     |
| 4700                      | 63   | 478LBB063M2DD                  | 52.91                                        | 3.32                                                 | 30x30                     |
| 4700                      | 63   | 478LBB063M2EC                  | 52.91                                        | 3.36                                                 | 35x25                     |
| 4700                      | 80   | 478LBB080M2CH                  | 52.91                                        | 4.05                                                 | 25x50                     |
| 4700                      | 80   | 478LBB080M2DH                  | 52.91                                        | 4.05                                                 | 30x40                     |
| 4700                      | 80   | 478LBB080M2ED                  | 52.91                                        | 4.09                                                 | 35x30                     |
| 4700                      | 100  | 478LBB100M2DH                  | 52.91                                        | 5.13                                                 | 30x50                     |
| 4700                      | 100  | 478LBB100M2EF                  | 52.91                                        | 5.11                                                 | 35x40                     |
| 6800                      | 16   | 688LBB016M2BC                  | 121.90                                       | 2.4                                                  | 22x25                     |
| 6800                      | 25   | 688LBB025M2BD                  | 73.14                                        | 2.4                                                  | 22x30                     |
| 6800                      | 25   | 688LBB025M2CC                  | 73.14                                        | 2.56                                                 | 25x25                     |
| 6800                      | 35   | 688LBB035M2BE                  | 60.95                                        | 2.82                                                 | 22x35                     |
| 6800                      | 35   | 688LBB035M2CD                  | 60.95                                        | 2.74                                                 | 25x30                     |
| 6800                      | 35   | 688LBB035M2DC                  | 60.95                                        | 2.97                                                 | 30x25                     |
| 6800                      | 50   | 688LBB050M2BH                  | 48.76                                        | 3.81                                                 | 22x50                     |
| 6800                      | 50   | 688LBB050M2CF                  | 48.76                                        | 3.81                                                 | 25x40                     |
| 6800                      | 50   | 688LBB050M2DD                  | 48.76                                        | 3                                                    | 30x30                     |
| 6800                      | 50   | 688LBB050M2EC                  | 48.76                                        | 3.23                                                 | 35x25                     |
| 6800                      | 63   | 688LBB063M2CH                  | 36.57                                        | 4.27                                                 | 25x50                     |
| 6800                      | 63   | 688LBB063M2DE                  | 36.57                                        | 3.46                                                 | 30x35                     |
| 6800                      | 63   | 688LBB063M2ED                  | 36.57                                        | 4.15                                                 | 35x30                     |
| 6800                      | 80   | 688LBB080M2DH                  | 36.57                                        | 5.16                                                 | 30x50                     |
| 6800                      | 80   | 688LBB080M2EF                  | 36.57                                        | 5.14                                                 | 35x40                     |
| 6800                      | 100  | 688LBB100M2EH                  | 36.57                                        | 6.5                                                  | 35x50                     |
| 10000                     | 16   | 109LBB016M2BC                  | 82.89                                        | 2.77                                                 | 22x25                     |
| 10000                     | 16   | 109LBB016M2CC                  | 66.31                                        | 2.67                                                 | 25x25                     |
| 10000                     | 25   | 109LBB025M2BE                  | 49.74                                        | 3.2                                                  | 22x35                     |
| 10000                     | 25   | 109LBB025M2CD                  | 49.74                                        | 3.12                                                 | 25x30                     |
| 10000                     | 25   | 109LBB025M2DC                  | 49.74                                        | 3.21                                                 | 30x25                     |

| Capacitance<br>( $\mu$ F) | WVDC | IC <sup>®</sup> PART<br>NUMBER | Maximum<br>ESR<br>m $\Omega$<br>120Hz, +20°C | Maximum RMS<br>Ripple Current<br>(A)<br>120Hz, +85°C | Dimensions<br>DxL<br>(mm) |
|---------------------------|------|--------------------------------|----------------------------------------------|------------------------------------------------------|---------------------------|
| 10000                     | 35   | 109LBB035M2BG                  | 41.45                                        | 3.34                                                 | 22x45                     |
| 10000                     | 35   | 109LBB035M2CE                  | 41.45                                        | 3.06                                                 | 25x35                     |
| 10000                     | 35   | 109LBB035M2DD                  | 41.45                                        | 3.46                                                 | 30x30                     |
| 10000                     | 35   | 109LBB035M2EC                  | 41.45                                        | 3.02                                                 | 35x25                     |
| 10000                     | 50   | 109LBB050M2CH                  | 33.16                                        | 3.7                                                  | 25x50                     |
| 10000                     | 50   | 109LBB050M2DE                  | 33.16                                        | 3.35                                                 | 30x35                     |
| 10000                     | 50   | 109LBB050M2ED                  | 33.16                                        | 3.64                                                 | 35x30                     |
| 10000                     | 63   | 109LBB063M2DG                  | 24.87                                        | 3.72                                                 | 30x45                     |
| 10000                     | 63   | 109LBB063M2EF                  | 24.87                                        | 5.47                                                 | 35x40                     |
| 15000                     | 16   | 159LBB016M2BE                  | 55.26                                        | 3.29                                                 | 22x35                     |
| 15000                     | 16   | 159LBB016M2CD                  | 55.26                                        | 3.46                                                 | 25x30                     |
| 15000                     | 16   | 159LBB016M2DC                  | 55.26                                        | 3.66                                                 | 30x25                     |
| 15000                     | 25   | 159LBB025M2BG                  | 33.16                                        | 3.7                                                  | 22x45                     |
| 15000                     | 25   | 159LBB025M2CE                  | 33.16                                        | 3.45                                                 | 25x35                     |
| 15000                     | 25   | 159LBB025M2DD                  | 33.16                                        | 4                                                    | 30x30                     |
| 15000                     | 25   | 159LBB025M2EC                  | 33.16                                        | 3.95                                                 | 35x25                     |
| 15000                     | 35   | 159LBB035M2CH                  | 27.63                                        | 4.54                                                 | 25x50                     |
| 15000                     | 35   | 159LBB035M2DE                  | 27.63                                        | 3.67                                                 | 30x35                     |
| 15000                     | 35   | 159LBB035M2ED                  | 27.63                                        | 3.98                                                 | 35x30                     |
| 15000                     | 50   | 159LBB050M2DH                  | 22.10                                        | 4.61                                                 | 30x50                     |
| 15000                     | 50   | 159LBB050M2EF                  | 22.10                                        | 4.83                                                 | 35x40                     |
| 15000                     | 63   | 159LBB063M2EH                  | 16.58                                        | 5.3                                                  | 35x50                     |
| 22000                     | 16   | 229LBB016M2BH                  | 37.68                                        | 4.37                                                 | 22x50                     |
| 22000                     | 16   | 229LBB016M2CF                  | 37.68                                        | 4.26                                                 | 25x40                     |
| 22000                     | 16   | 229LBB016M2DD                  | 37.68                                        | 4.21                                                 | 30x30                     |
| 22000                     | 16   | 229LBB016M2EC                  | 37.68                                        | 4.15                                                 | 35x25                     |
| 22000                     | 25   | 229LBB025M2CG                  | 22.61                                        | 4.48                                                 | 25x45                     |
| 22000                     | 25   | 229LBB025M2DE                  | 22.61                                        | 4.52                                                 | 30x35                     |
| 22000                     | 25   | 229LBB025M2ED                  | 22.61                                        | 4.61                                                 | 35x30                     |
| 22000                     | 35   | 229LBB035M2DG                  | 18.84                                        | 4.94                                                 | 30x45                     |
| 22000                     | 35   | 229LBB035M2EF                  | 18.84                                        | 5.41                                                 | 35x40                     |
| 33000                     | 16   | 339LBB016M2DF                  | 25.12                                        | 5.36                                                 | 30x40                     |
| 33000                     | 16   | 339LBB016M2ED                  | 25.12                                        | 5.15                                                 | 35x30                     |
| 33000                     | 25   | 339LBB025M2DH                  | 15.07                                        | 6.15                                                 | 30x50                     |
| 33000                     | 25   | 339LBB025M2EF                  | 15.07                                        | 6.33                                                 | 35x40                     |
| 33000                     | 35   | 339LBB035M2EH                  | 12.56                                        | 7.27                                                 | 35x50                     |
| 47000                     | 16   | 479LBB016M2DH                  | 17.64                                        | 6.79                                                 | 30x50                     |
| 47000                     | 16   | 479LBB016M2EF                  | 17.64                                        | 6.76                                                 | 35x40                     |