



## Surface Mount Inductors

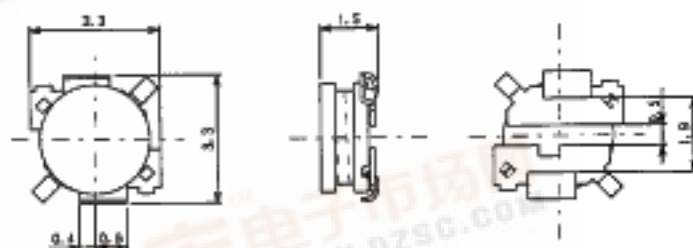
TYPE  
**D31FU**

9

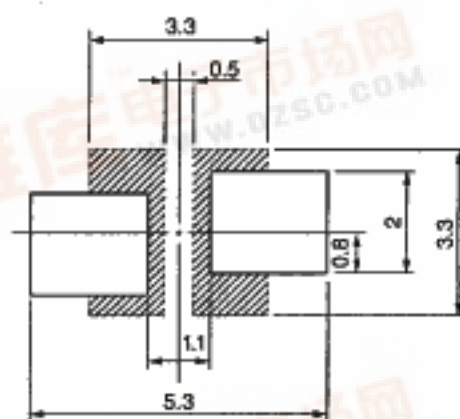
**TYPE D31FU**

Frequency Range: 10kHz - 1MHz

Inductance Range: 0.1 - 1.2mH

Unit: mm  
Tolerance:  $\pm 0.2$ **Features**

- Low profile (1.5mm typ. Height) and 3.3mm square
- Ideal for IC inverter EL lamp driver applications
- Available on tape and reel for auto-insertion
- Suitable for reflow soldering

**Recommended patterns:**

Unit: mm

**STANDARD PARTS SELECTION GUIDE**

- (1) Inductance is measured by LCR-meter 4284A (HP) or equivalent.  
 (2) DC Resistance is measured by Digital Multimeter TR8871 (Advantest) or equivalent.  
 (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

| <b>TYPE D31FU</b> |                                                 |                                                      |                                             |                                          |
|-------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------|------------------------------------------|
| TOKO Part Number  | Inductance <sup>(1)</sup><br>(mH)<br>$\pm 20\%$ | DC <sup>(2)</sup><br>Resistance<br>( $\Omega$ ) max. | Inductance<br>Decrease Current<br>(mA) max. | Temperature<br>Rise Current<br>(mA) max. |
| 888FU-101M        | 0.1                                             | 4.8                                                  | 168                                         | 161                                      |
| 888FU-121M        | 0.12                                            | 6.0                                                  | 152                                         | 148                                      |
| 888FU-151M        | 0.15                                            | 7.1                                                  | 138                                         | 137                                      |
| 888FU-181M        | 0.18                                            | 9.0                                                  | 121                                         | 121                                      |
| 888FU-221M        | 0.22                                            | 10                                                   | 115                                         | 107                                      |
| 888FU-271M        | 0.27                                            | 14                                                   | 100                                         | 97                                       |
| 888FU-331M        | 0.33                                            | 16                                                   | 92                                          | 90                                       |
| 888FU-391M        | 0.39                                            | 18                                                   | 85                                          | 86                                       |
| 888FU-471M        | 0.47                                            | 26                                                   | 78                                          | 68                                       |
| 888FU-561M        | 0.56                                            | 30                                                   | 72                                          | 68                                       |
| 888FU-681M        | 0.68                                            | 34                                                   | 66                                          | 62                                       |
| 888FU-821M        | 0.82                                            | 46                                                   | 58                                          | 52                                       |
| 888FU-102M        | 1.0                                             | 53                                                   | 54                                          | 50                                       |
| 888FU-122M        | 1.2                                             | 60                                                   | 50                                          | 47                                       |