

ALUMINUM ELECTROLYTIC CAPACITORS

皇御UAG2E400MHD供应商

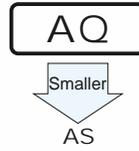
康多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

AQ

Wide Temperature Range, Permissible Abnormal Voltage (Radial Lead Type) series

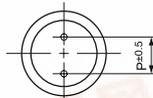
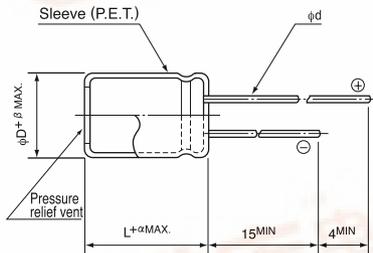
- Improved safety feature for abnormally excessive voltage.
- High ripple current product.
- Adapted to the RoHS directive (2002/95/EC).



Specifications

Item	Performance Characteristics		
Category Temperature Range	-40 ~ +105°C		
Rated Voltage Range	200 · 400V		
Rated Capacitance Range	10 ~ 220µF		
Capacitance Tolerance	± 20% at 120Hz, 20°C		
Leakage Current	After 1 minute's application of rated voltage, leakage current is 0.04CV+100 (µA) or less.		
tan δ	Rated voltage (V)	200	400
	tan δ (MAX.)	0.15	0.15
Stability at Low Temperature	Impedance ratio ZT / Z20 (MAX.)	Measurement frequency: 120Hz, Temperature: 20°C	
		Rated voltage (V)	
		Z-25°C / Z+20°C	3
Endurance	After an application of D.C. bias voltage plus the rated ripple current for 2000 hours at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right.		Measurement frequency : 120Hz
	Capacitance change	Within ±20% of initial value	
	tan δ	200% or less of initial specified value	
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.		
	The pressure relief vent will operate in normal conditions, with no dangerous conditions such as flames, ignitions or dispersion of pieces of the capacitor and / or case.		
Safety Performance	voltage (V)	Test conditions	
		Limited DC current	Test Voltage
		200	4A
400	2A	500VDC and 600VDC	
Marking	Printed with white color letter on dark brown sleeve.		

Radial Lead Type



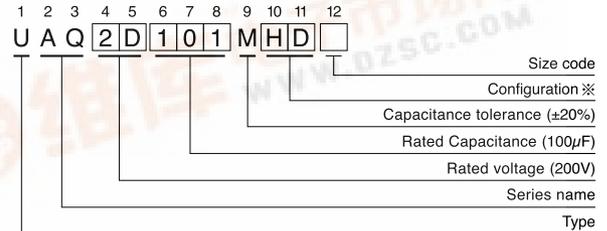
	(mm)				
φD	10	12.5	16	18	22
β	0.5	0.5	0.5	0.5	1.0
P	5.0	5.0	7.5	7.5	10
φd	0.6	0.6	0.8	0.8	1.0

α	φD ≤ 18	
	2.0	3.0
	φD > 18	
	2.0	3.0

※ In case L>25 for φ12.5 (D) case sizes, lead diameter φ0.8 (d) will be applied.

- Please refer to page 21 about the end seal configuration.

Type numbering system (Example : 200V 100µF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
10	PD
12.5~18	HD
22	RD

Dimensions

Cap.(µF)	V(Code)	Code	200 (2D)					400 (2G)				
			φ10	φ12.5	φ16	φ18	φ22	φ12.5	φ16	φ18	φ22	
10	100	100						12.5 × 20				
22	220	220	10 × 20					100				
33	330	330	10 × 20					12.5 × 31.5	φ16 × 20			
47	470	470	120					145	145			
56	560	560	10 × 25					12.5 × 40	φ16 × 25			
68	680	680	160					195	195			
82	820	820	φ12.5 × 20					16 × 35.5	φ18 × 25			
100	101	101	160					195	195			
150	151	151	φ12.5 × 20					16 × 35.5	φ18 × 31.5			
180	181	181	195					280	280			
220	221	221	12.5 × 25					320	320			
			210					350	350			
			250					420	420			
			285									
			φ16 × 20									
			285									
			φ16 × 25									
			335									
			φ18 × 20									
			335									
			φ16 × 31.5									
			435									
			φ18 × 31.5									
			495									
			φ18 × 35.5									
			495									
			18 × 35.5									
			575									
												Case size φDxL (mm)
												Rated ripple

Rated Ripple (mArms) at 105°C 120Hz

○ : In case of low profile type, [6] will be put at 12th digit of type numbering system.

※ : For further low profile product, [3] will be put at 12th digit.

Frequency coefficient of rated ripple current

Frequency	50, 60Hz	120Hz	300Hz	1kHz	10kHz ~
-----------	----------	-------	-------	------	---------

