UAS

Wide Temperature Range, Miniature Type Permissible Abnormal Voltage



- Improved safety feature for abnormally excessive voltage.
- High ripple current product.
- Compliant to the RoHS directive (2011/65/EU).

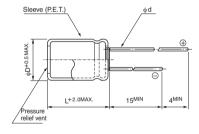




■ Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +105°C										
Rated Voltage Range	200V, 400V										
Rated Capacitance Range	4.7 to 330μF										
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 1 minute's application of rated voltage at 20°C, leakage current is 0.04CV+100 (μA) or less.										
Tangent of loss angle (tan δ)	Rated voltage (V) 200 400 Measurement frequency:120Hz at 20°C tan δ (MAX.) 0.15 0.15										
	Rated voltage (V)		200	400		Measurement frequency: 120Hz					
Stability at Low Temperature	7_25	°C / Z+20°C	3		8						
	Impedance ratio ZT / Z20 (MAX.) Z-40	°C / Z+20°C	6		10						
Endurance	The specifications listed at right shall be r capacitors are restored to 20°C after D.C. ripple current is applied for 2000 hours at voltage shall not exceed the rated voltage	ge Within ±20% of the initial capacitance value 200% or less than the initial specified value Less than or equal to the initial specified value									
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours they shall meet the specified values for the 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.										
					Test	onditions					
Safety Performance	voltage (V)	I	Limited D0	C curr	rent	Test Voltage					
	200	4A (5A : 330μF)				300VDC and 375VDC					
	400	2A	(4A : 100 _l	500VDC and 600VDC							
Marking	Printed with white color letter on dark brown sleeve.										

■ Radial Lead Type

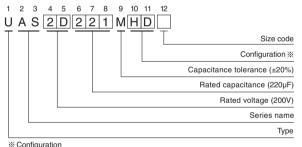




				(mm)
φD	10	12.5	16	18
Р	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.8	0.8

• Please refer to page 20 about the end seal configuration.

Type numbering system (Example : 200V 220µF)



Configuration								
φD	Pb-free leadwire Pb-free PET sleeve							
10	PD							
12.5 to 18	HD							

Dimensions

	200 (2D)						400 (2G)										
Cap.(μF) Code φD		φ10		φ12.5		φ16		φ18		φ10		φ12.5		φ16		φ18	
4.7	4R7									10 × 9	60		l I				
22	220		i									12.5 × 20	165				
27	270											12.5 × 25	200				
33	330	10 × 20	160										l I	16 × 20	225		
39	390												l I	16 × 25	255	▲18 × 20	255
47	470	10 × 25	195	▲12.5 × 20	195									16 × 25	290	▲18 × 20	280
56	560		l I	12.5 × 20	210						 			16 × 31.5	340	▲18 × 25	320
68	680		1	12.5 × 25	320						 			16 × 35.5	385	▲18 × 25	360
82	820		l I	12.5 × 25	360						 			16 × 40	435	▲18 × 31.5	430
100	101		I I	12.5 × 31.5	430	▲16×20	430				l I		1			18 × 35.5	490
120	121										! !		I I			18 × 40	540
150	151					16 × 25	460	▲18 × 20	460				l				
180	181					16 × 31.5	600	▲18×25	600				1				
220	221							18 × 31.5	710		l I		I I				
270	271							18 × 35.5	890		l I					Case size	Rated
330	331							18 × 40	910		l I		1			φD×L (mm)	ripple

• Frequency coefficient of rated ripple current

Frequency	50, 60Hz	120Hz	300Hz	1kHz	10kHz or more				
Coefficient	0.80	1.00	1.25	1.40	1.60				

Rated ripple current (mArms) at 105°C 120Hz

▲: In case of low profile type, ⑤ will be put at 12th digit of type numbering system.

Please refer to page 20, 21, 22 about the formed or taped product spec.

Please refer to page 4 for the minimum order quantity.