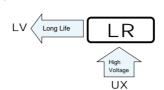




- Chip Type, high Voltage.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2011/65/EU).

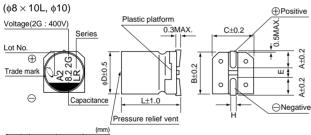




Specifications

Specifications								
Item	Performance Characteristics							
Category Temperature Range	-40 to +105°C							
Rated Voltage Range	160 to 500V							
Rated Capacitance Range	2.7 to 39μF							
Capacitance Tolerance	±20% at 120Hz, 20°C							
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.04CV +100(μA).							
	Measurement frequency : 120Hz at 20°C							
Tangent of loss angle (tan δ)								
	tan δ (MAX.) 0.20 0.20 0.25 0.25 0.30 0.30							
	Measurement frequency: 120Hz							
Ctability at Law Taganasatura	Rated voltage (V) 160 200 250 400 450 500							
Stability at Low Temperature	Impedance ratio Z-40°C / Z+20°C 6 6 10 10 15 15							
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 3000 hours at 105°C. Capacitance change Within $\pm 20\%$ of the initial capacitance value $\tan \delta$ 200% or less than the initial specified value Leakage current Less than or equal to the initial specified value							
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.							
Resistance to soldering	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C and then performing voltage treatment based on							
ŭ	Thanhained at 250°C and then performing voltage freatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the characteristic							
heat	requirements listed at right when they are removed from the plate. Leakage current Less than or equal to the initial specified value							
Marking	Black print on the case top.							

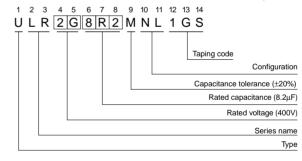




			(111111)
φD×L	8×10	10×10	10×13.5
Α	2.9	3.2	3.2
В	8.3	10.3	10.3
С	8.3	10.3	10.3
E	3.1	4.5	4.5
L	10	10	13.5
Н	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1

Voltage						
V	160	200	250	400	450	500
Code	2C	2D	2E	2G	2W	2H

Type numbering system (Example: 400V 8.2µF)



Dimensions

	V	16	0	20	00	25	50	40	0	45	0	50	0
Cap.(µF)	Code	20	0	2	D	2	E	20	}	2V	٧	2H	4
2.7	2R7							1		1		8×10	20
3.9	3R9							1		8×10	25	10×10	35
4.7	4R7							8×10	35				
5.6	5R6							i				10×13.5	40
6.8	6R8							ł		10×10	40		
8.2	8R2							10×10	50	!			
10	100					8×10	35	į		10×13.5	45		
12	120			8×10	50			10×13.5	55	i			
15	150	8×10	50			10×10	50	1				T	
22	220	!		10×10	65	10×13.5	55	1		!		1	
27	270	10×10	65				•						
33	330			10×13.5	70							Case size	Rated
39	390	10×13.5	70									$ \phi D \times L \text{ (mm)} $	ripple

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

Frequency coefficient of rated ripple current

or requested comments of rates in part of the									
Frequency	50 Hz 120 H		300 Hz	1 kHz	10 kHz or more				
Coefficient	0.80	1.00	1.25	1.40	1.60				

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please refer to page 3 for the minimum order quantity.