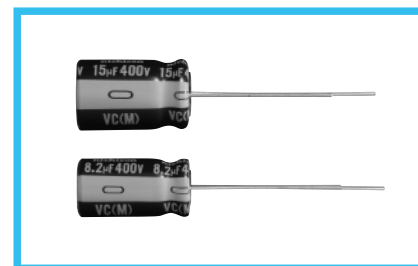
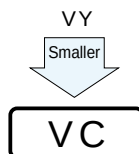


VC Ultra-Miniature-Sized for adapters.
series



Smaller

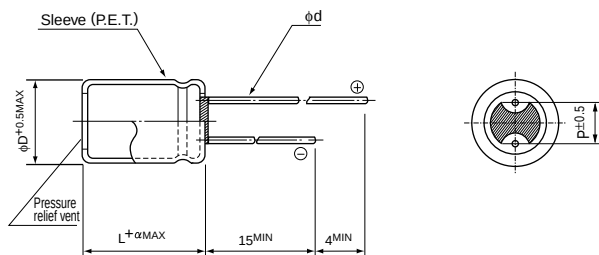


- One rank smaller case sizes than VY series.
- Suited for adapter circuit.
- Compliant to the RoHS directive (2011/65/EU).

Specifications

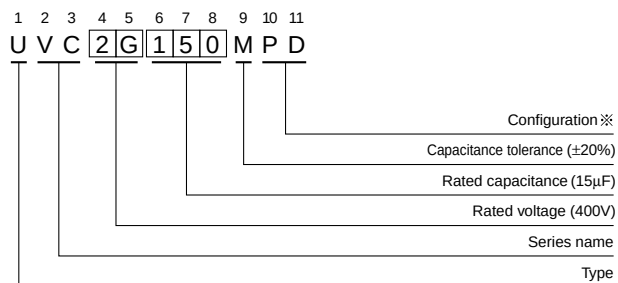
Item	Performance Characteristics								
Category Temperature Range	−40 to +105°C								
Rated Voltage Range	400V								
Rated Capacitance Range	4.7 to 18μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	I = 0.04CV+100 (μA) or less								
Tangent of loss angle (tan δ)	<table><tr><td>Rated voltage (V)</td><td>400</td></tr><tr><td>tan δ (MAX.)</td><td>0.25</td></tr></table>	Rated voltage (V)	400	tan δ (MAX.)	0.25	Measurement frequency : 120Hz, at 20°C			
Rated voltage (V)	400								
tan δ (MAX.)	0.25								
Stability at Low Temperature	<table><tr><td>Rated voltage (V)</td><td>400</td></tr><tr><td>Impedance ratio ZT / Z20 (MAX.)</td><td>Z−25°C / Z+20°C 6 Z−40°C / Z+20°C 10</td></tr></table>	Rated voltage (V)	400	Impedance ratio ZT / Z20 (MAX.)	Z−25°C / Z+20°C 6 Z−40°C / Z+20°C 10	Measurement frequency : 120Hz			
Rated voltage (V)	400								
Impedance ratio ZT / Z20 (MAX.)	Z−25°C / Z+20°C 6 Z−40°C / Z+20°C 10								
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 2000 hours at 105°C, the peak voltage shall not exceed the rated voltage. <table><tr><td>Capacitance change</td><td>Within ±25% of the initial capacitance value</td></tr><tr><td>tan δ</td><td>200% or less than the initial specified value</td></tr><tr><td>Leakage current</td><td>Less than or equal to the initial specified value</td></tr></table>			Capacitance change	Within ±25% of the initial capacitance value	tan δ	200% or less than the initial specified value	Leakage current	Less than or equal to the initial specified value
Capacitance change	Within ±25% of the initial capacitance value								
tan δ	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.								
Marking	Printed with white color letter on dark brown sleeve.								

Radial Lead Type



	(mm)	
φD	8	10
P	3.5	5.0
φd	0.6	0.6
α	(L=11.5) 1.5	(L=12.5) 2.0

Type numbering system (Example : 400V 15µF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
8 · 10	PD

Dimensions

V		400	
Cap.(µF)	Code	2G	
4.7	4R7	8 × 11.5	70
5.6	5R6	8 × 11.5	70
8.2	8R2	8 × 16	85
10	100	10 × 12.5	100
12	120	8 × 20	120
15	150	10 × 16	150
18	180	10 × 20	200
		Case size φ D × L (mm)	Rated ripple

Rated ripple current (mA rms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Cap.(µF)	Frequency	50Hz	120Hz	500Hz	1 kHz	10kHz or more
4.7 to 8.2		0.65	1.00	1.20	1.30	1.50
10 to 18		0.80	1.00	1.20	1.30	1.50

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.