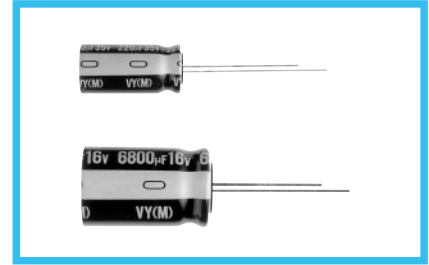
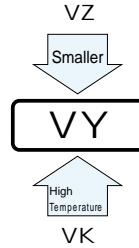


VY Wide Temperature Range series



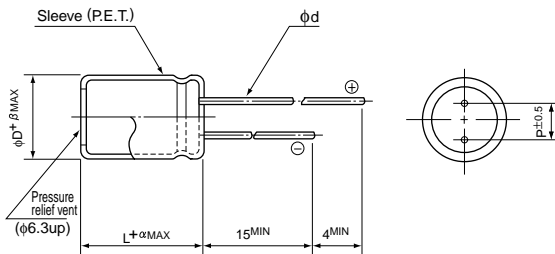
- One rank smaller case sizes than VZ series.
- Compliant to the RoHS directive (2002/95/EC).



Specifications

Item	Performance Characteristics	
Category Temperature Range	-55 to +105°C (6.3 to 100V), -40 to +105°C (160 to 400V), -25 to +105°C (450V)	
Rated Voltage Range	6.3 to 450V	
Rated Capacitance Range	0.1 to 68000μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	Rated voltage (V)	6.3 to 100
		<p>After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.</p> <p>After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.</p>
Tangent of loss angle (tan δ)	Rated voltage (V)	160 to 450
		<p>After 1 minute's application of rated voltage, CV ≤ 1000: I = 0.1CV + 40 (μA) or less</p> <p>After 1 minute's application of rated voltage, CV > 1000: I = 0.04CV + 100 (μA) or less</p>
Stability at Low Temperature	For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF. Measurement frequency: 120Hz, Temperature: 20°C	
	Rated voltage (V)	6.3 10 16 25 35 50 63 100 160 to 250 350 to 450
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 105°C.	
	Capacitance change	tan δ
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.	
	Printed with white color letter on black sleeve.	

Radial Lead Type



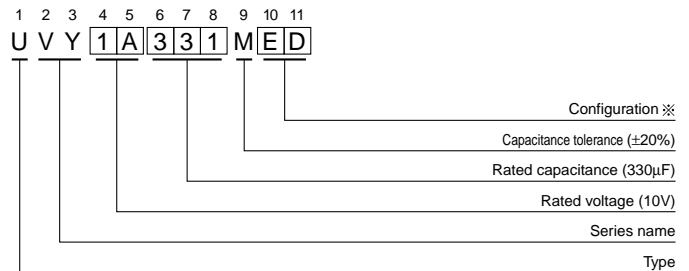
(mm)

φD	5	6.3	8	10	12.5	16	18	20	22	25
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0	10.0	12.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0	1.0	1.0
β	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0

α	(L < 20) 1.5
	(L ≥ 20) 2.0

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

Type numbering system (Example : 10V 330μF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
5	DD
6.3	ED
8 · 10	PD
12.5 to 18	HD
20 to 25	RD

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

• Dimension table in next page.

