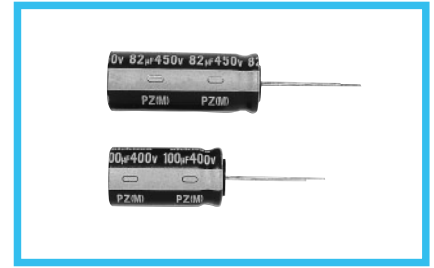
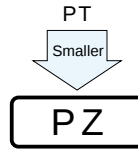


PZ series

High Voltage, Smaller-sized



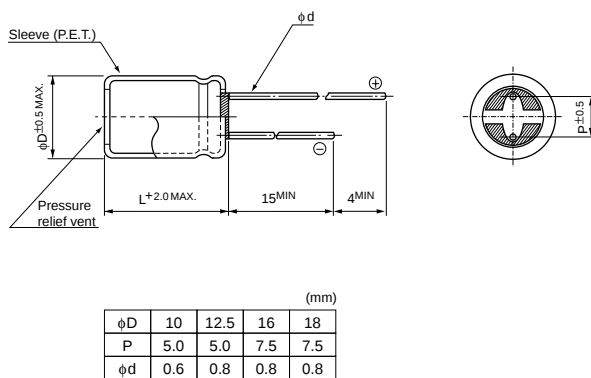
- High ripple current.
- Load life of 2000 hours at 105°C.
- Suited for ballast applications.
- Compliant to the RoHS directive (2002/95/EC).



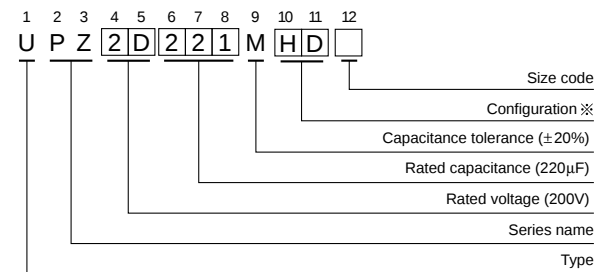
Specifications

Item	Performance Characteristics								
Category Temperature Range	-25 to +105°C								
Rated Voltage Range	200 to 450V								
Rated Capacitance Range	18 to 470μF								
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).								
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz, Temperature : 20°C								
	Rated voltage (V)	200	400	420	450				
	tan δ (MAX.)	0.12	0.15	0.20	0.20				
Stability at Low Temperature	Measurement frequency : 120Hz								
	Rated voltage (V)	200	400	420	450				
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	3	8	8	8			
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.								
						Capacitance change		Within ±20% 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



Type numbering system (Example : 200V 220µF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
10	PD
12.5 to 18	HD

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

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.

PZ series

■Dimensions

Cap.(μF)	V Code	200		400		420		450	
		2D		2G		W6		2W	
18	180							10×31.5	180
22	220					10×31.5	200		
27	270			10×31.5	240				
33	330							12.5×31.5	280
39	390					12.5×31.5	310	12.5×35.5	320
47	470			12.5×31.5	370	12.5×35.5	360	12.5×40	380
56	560			12.5×35.5	420	12.5×40	430	16×31.5	440
68	680			12.5×40	480	16×31.5	510	16×35.5	490
82	820	10×31.5	400			16×35.5	570	16×40 ▲ 18×31.5	550 550
100	101			16×31.5	580	16×40 ▲ 18×31.5	610 610	18×35.5	650
120	121			16×35.5 ▲ 18×31.5	670 670	18×35.5	660	18×40	740
150	151	12.5×31.5	620	16×40 ▲ 18×35.5	770 770	18×40	710		
180	181	12.5×35.5	700	18×40	880				
220	221	12.5×40	800						
270	271	16×31.5	870						
330	331	16×35.5 ▲ 18×31.5	1010 1010						
390	391	16×40 ▲ 18×35.5	1130 1120						
470	471	18×40	1270					Case size φD×L (mm)	Rated ripple

Rated ripple current (mA_{rms}) at 105°C 120Hz▲ : In this case, 6 will be put at 12th digit of type numbering system.

●Frequency coefficient of rated ripple current

V	60Hz	120Hz	500Hz	1kHz	10kHz or more
200	0.80	1.00	1.20	1.30	1.40
400 to 450	0.80	1.00	1.25	1.40	1.50