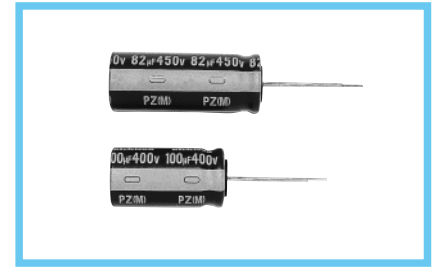
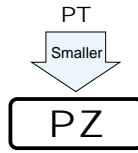


PZ High Voltage, Smaller-sized series



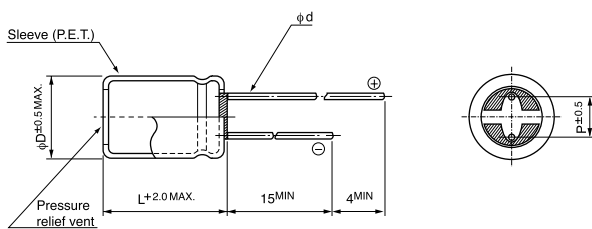
- High ripple current.
- Load life of 2000 hours at 105°C.
- Suited for ballast applications.
- Adapted to the RoHS directive (2002/95/EC).



Specifications

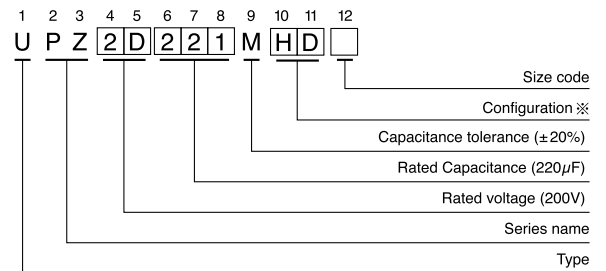
Item	Performance Characteristics									
Category Temperature Range	-25 ~ +105°C									
Rated Voltage Range	200 ~ 450V									
Rated Capacitance Range	18 ~ 470µF									
Capacitance Tolerance	±20% at 120Hz, 20°C									
Leakage Current	After 1 minutes' application of rated voltage, leakage current is not more than 0.04CV+100 (µA).									
tan δ	Measurement frequency : 120Hz, Temperature : 20°C									
	<table border="1"> <tr> <th>Rated voltage (V)</th> <td>200</td> <td>400</td> <td>420</td> <td>450</td> </tr> <tr> <th>tan δ (MAX.)</th> <td>0.12</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> </tr> </table>	Rated voltage (V)	200	400	420	450	tan δ (MAX.)	0.12	0.15	0.20
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									
	<table border="1"> <tr> <th>Rated voltage (V)</th> <td>200</td> <td>400</td> <td>420</td> <td>450</td> </tr> <tr> <th>Impedance ratio ZT / Z20 (MAX.) Z-25°C / Z+20°C</th> <td>3</td> <td>8</td> <td>8</td> <td>8</td> </tr> </table>	Rated voltage (V)	200	400	420	450	Impedance ratio ZT / Z20 (MAX.) Z-25°C / Z+20°C	3	8	8
Rated voltage (V)	200	400	420	450						
Impedance ratio ZT / Z20 (MAX.) Z-25°C / Z+20°C	3	8	8	8						
Endurance	After an application of D.C. bias voltage plus the rated ripple current for 2000 hours at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right.									
	Capacitance change	Within ±20% of initial value								
	tan δ	200% or less of initial specified value								
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.									
	Leakage current	Initial specified value or less								
Marking	Printed with white color letter on dark brown sleeve.									

Radial Lead Type



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

Type numbering system (Example : 200V 220µF)



※ Configuration

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

- Please refer to page 21 about the end seal configuration.

Please refer to page 21, 22, 23 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

- Dimension table in next page.

■ Dimensions

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

Case size φD×L (mm) | Rated Ripple
 Rated Ripple (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~
200	0.80	1.00	1.20	1.30	1.40
400 ~ 450	0.80	1.00	1.25	1.40	1.50