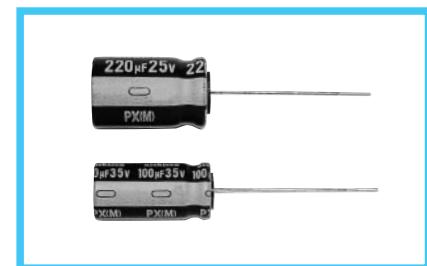
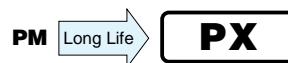


PX Long Life Assurance
series



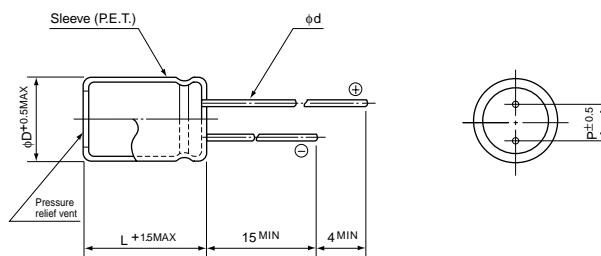
- Load life of 20000 hours at 105°C.



■ Specifications

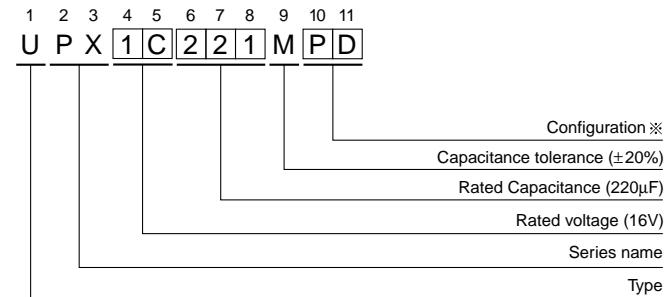
Item	Performance Characteristics								
Category Temperature Range	-55 ~ +105°C								
Rated Voltage Range	10 ~ 35V								
Rated Capacitance Range	1 ~ 4700μF								
Capacitance Tolerance	±20% (120Hz, 20°C)								
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.								
tan δ	Rated voltage (V)	10	16	25	35				
	tan δ (MAX)	0.20	0.16	0.14	0.12				
Measurement frequency : 120Hz									
Temperature : 20°C									
For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.									
Stability at Low Temperature	Rated voltage (V)	10	16	25	35				
	Impedance ratio	Z-25°C / Z+20°C	3	2	2				
Measurement frequency : 120Hz									
Endurance	Z-40°C / Z+20°C	4	4	4	4				
	After an application of D.C. bias voltage plus the rated ripple current for 20000 hours at 105°C, the peak voltage shall not exceed the rated D.C. voltage, capacitor meet the characteristic requirements listed below.								
Endurance	Capacitance change	Within ±30% of initial value							
	tan δ	300% or less of initial specified value							
	Leakage current	Initial specified value or less							
Shelf Life	After leaving capacitors under no load at 105°C for 1000hours, they meet the specified value for endurance characteristics listed above.								
Marking	Printed with white color letter on dark brown sleeve.								

■ Radial Lead Type



φD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.8	0.8

Type numbering system (Example : 16V 220μF)



※ Configuration

φ D	Pb free lead finishing Pb free PET sleeve
10	PD
12.5 ~ 18	HD

* Please contact to us if other configurations are required.

Please refer to page 19, 20, 21 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

● Dimension table in next page.

■ Dimensions

Cap. (μ F)	V (Code)	Item Code	10 (1A)		16 (1C)		25 (1E)		D × L (mm)
			Case size ϕ D × L (mm)	Rated Ripple (mA rms) 105°C / 100kHz	Case size ϕ D × L (mm)	Rated Ripple (mA rms) 105°C / 100kHz	Case size ϕ D × L (mm)	Rated Ripple (mA rms) 105°C / 100kHz	Case size ϕ D × L (mm)
1	010								10 × 12.5 59
2.2	2R2								10 × 12.5 84
3.3	3R3								10 × 12.5 101
4.7	4R7								10 × 12.5 143
10	100								10 × 12.5 294
22	220								10 × 12.5 336
33	330								10 × 12.5 378
47	470								10 × 12.5 420
100	101					10 × 12.5 420		10 × 20	672
220	221			10 × 16 504	10 × 20 672	12.5 × 20 840		12.5 × 25 1008	
330	331	10 × 16	504	10 × 20	672	12.5 × 25 1008		16 × 25 1344	
470	471	10 × 20	672	12.5 × 20 1008		16 × 25 1344		16 × 31.5 1680	
1000	102	12.5 × 25	1008	16 × 25 1344		16 × 31.5 1680		18 × 40 2184	
2200	222	16 × 31.5	1680	18 × 35.5 2016					
3300	332	18 × 35.5	2016	18 × 40 2184					
4700	472	18 × 40	2184						

Ripple (mA rms) at 105°C 100kHz