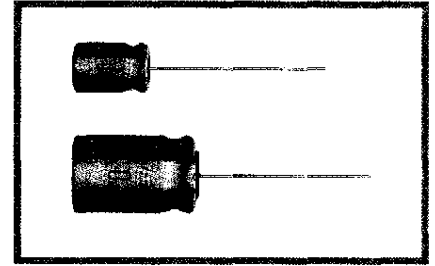


PY Low Impedance, High Reliability
series



- Smaller case size than PL series.
- Lower impedance at high frequency range.

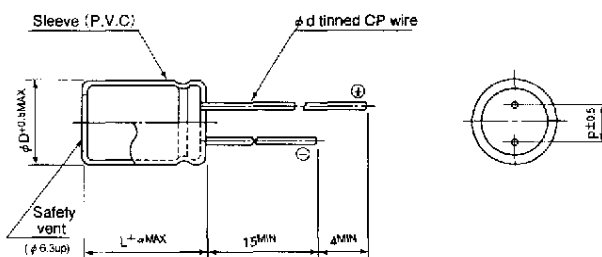
Not for New Design.
Please refer to PW series (Page 87).



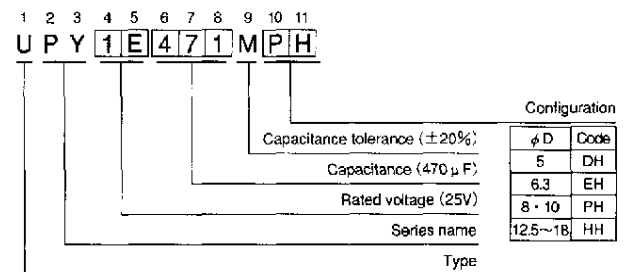
Specifications

Item	Performance Characteristics						
Operating Temperature Range	-55~+105℃						
Voltage Range	6.3~50V						
Capacitance Range	0.47~15000 μ F						
Capacitance Tolerance	±20% at 120Hz, 20℃						
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	For capacitance of more than 1000 μ F, add 0.02 for every increase of 1000 μ F. Measurement frequency : 120Hz. Temperature : 20℃						
	Rated voltage(V)	6.3	10	16	25	35	50
	tan δ (MAX.)	0.24	0.20	0.16	0.14	0.12	0.10
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage(V)	6.3	10	16	25	35	50
	Impedance ratio ZT/Z20(MAX.)	Z-55℃ /Z+20℃	5	5	4	4	3
Load Life	After 2000 hours' application of rated voltage at 105℃, capacitors meet the characteristics requirements listed at right. (In case of φ D≤8 : 1000 hours' application)				Capacitance change	Within ±20% of initial value	
					tan δ	200% or less of initial specified value	
					Leakage current	Initial specified value or less	
Shelf Life	After leaving capacitors under no load at 105℃ for 1000 hours, they meet the specified value for load life characteristics listed above.						
Marking	Printed with white color letter on dark brown sleeve.						
Applicable Standards	JIS C 5141 and JIS C 5102.						

Radial Lead Type



Type numbering system (Example: 25V 470 μ F)



α	(L < 20) 1.5
	(L $\geq$ 20) 2.0

ϕD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ϕd	0.5	0.5	0.6	0.6	0.6	0.8	0.8

Frequency coefficient of allowable ripple current

Cap. (μ F)	Frequency	50Hz	120Hz	300Hz	1kHz	10kHz~
~ 47		—	0.17	0.40	0.65	1.00
100 ~ 220		0.30	0.50	0.65	0.80	1.00
330 ~ 680		0.57	0.71	0.82	0.90	1.00
1000 ~ 15000		0.75	0.87	0.96	0.98	1.00

Please refer to page 17, 18, 19 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

• Dimension table in next page.

PY series

■ Standard ratings

V (Code)		6.3 (0J)			10 (1A)			16 (1C)		
Cap. (μF)	Item Code	Case size φ D×L (mm)	Impedance (Ω) MAX. 20°C 100kHz	Allowable ripple (mA rms) 105°C 100kHz	Case size φ D×L (mm)	Impedance (Ω) MAX. 20°C 100kHz	Allowable ripple (mA rms) 105°C 100kHz	Case size φ D×L (mm)	Impedance (Ω) MAX. 20°C 100kHz	Allowable ripple (mA rms) 105°C 100kHz
10	100							5×11	0.60	180
22	220	5×11	0.60	180	5×11	0.60	180	5×11	0.60	180
33	330	5×11	0.60	180	5×11	0.60	180	5×11	0.60	180
47	470	5×11	0.60	180	5×11	0.60	180	5×11	0.60	180
100	101	5×11	0.60	180	5×11	0.60	180	6.3×11	0.25	280
150	151	6.3×11	0.25	280	6.3×11	0.25	280	6.3×11	0.25	280
220	221	6.3×11	0.25	280	6.3×11	0.25	280	8×11.5	0.14	450
330	331	6.3×11	0.25	280	8×11.5	0.14	450	8×11.5	0.14	450
470	471	8×11.5	0.14	450	8×11.5	0.14	450	10×12.5	0.095	660
680	681	10×12.5	0.095	660	10×12.5	0.095	660	10×16	0.070	850
1000	102	10×12.5	0.095	660	10×16	0.070	850	10×20	0.053	1100
1500	152	10×20	0.053	1100	10×20	0.053	1100	12.5×20	0.050	1400
2200	222	12.5×20	0.050	1400	12.5×20	0.050	1400	12.5×25	0.038	1700
3300	332	12.5×20	0.050	1400	12.5×25	0.038	1700	16×25	0.025	2100
4700	472	16×25	0.025	2100	16×25	0.025	2100	16×31.5	0.022	2600
6800	682	16×25	0.025	2100	16×31.5	0.022	2600	18×35.5	0.020	3000
10000	103	16×31.5	0.022	2600	18×35.5	0.020	3000	18×40	0.018	3600
15000	153	18×35.5	0.020	3000	18×40	0.018	3600			

V (Code)		25 (1E)			35 (1V)			50 (1H)		
Cap. (μF)	Item Code	Case size φ D×L (mm)	Impedance (Ω) MAX. 20°C 100kHz	Allowable ripple (mA rms) 105°C 100kHz	Case size φ D×L (mm)	Impedance (Ω) MAX. 20°C 100kHz	Allowable ripple (mA rms) 105°C 100kHz	Case size φ D×L (mm)	Impedance (Ω) MAX. 20°C 100kHz	Allowable ripple (mA rms) 105°C 100kHz
0.47	R47							5×11	5.0	25
1	010							5×11	3.5	40
2.2	2R2							5×11	3.0	55
3.3	3R3							5×11	2.6	65
4.7	4R7	5×11	0.60	180	5×11	0.60	180	5×11	2.3	90
10	100	5×11	0.60	180	5×11	0.60	180	5×11	1.4	120
22	220	5×11	0.60	180	5×11	0.60	180	5×11	1.2	150
33	330	5×11	0.60	180	5×11	0.60	180	6.3×11	0.43	250
47	470	5×11	0.60	180	6.3×11	0.25	280	6.3×11	0.43	250
100	101	6.3×11	0.25	280	8×11.5	0.14	450	8×11.5	0.24	340
150	151	8×11.5	0.14	450	8×11.5	0.14	450	10×12.5	0.17	490
220	221	8×11.5	0.14	450	10×12.5	0.095	660	10×16	0.12	650
330	331	10×12.5	0.095	660	10×16	0.070	850	10×20	0.10	810
470	471	10×16	0.070	850	10×20	0.053	1100	12.5×20	0.085	1100
680	681	10×20	0.053	1100	12.5×20	0.050	1400	12.5×25	0.065	1200
1000	102	12.5×20	0.050	1400	12.5×25	0.038	1700	16×25	0.043	1600
1500	152	16×25	0.025	2100	16×25	0.025	2100	16×31.5	0.038	2000
2200	222	16×25	0.025	2100	16×31.5	0.022	2600	18×35.5	0.034	2300
3300	332	16×31.5	0.022	2600	18×35.5	0.020	3000			
4700	472	18×35.5	0.020	3000	18×40	0.018	3600			
6800	682	18×40	0.018	3600						