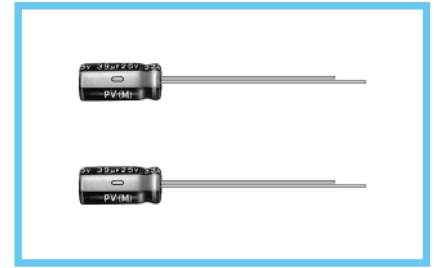
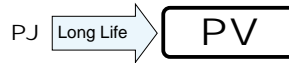


PV series Miniature Sized, Low Impedance, High Reliability



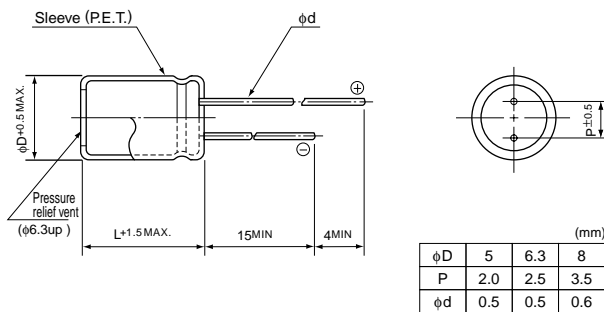
- Miniature sized low impedance series withstanding 5000 hours load life at +105°C.
- Adapted to the RoHS directive (2002/95/EC).



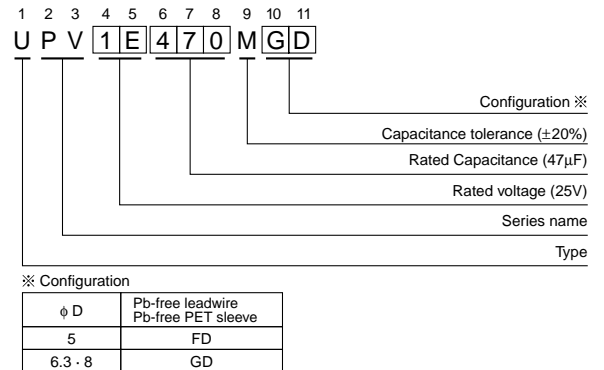
Specifications

Item	Performance Characteristics						
Category Temperature Range	-55 to +105°C						
Rated Voltage Range	6.3 to 50V						
Rated Capacitance Range	0.47 to 390μF						
Capacitance Tolerance	±20% at 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	Measurement frequency : 120Hz, Temperature : 20°C						
	Rated voltage (V)	6.3	10	16	25	35	50
Stability at Low Temperature	Measurement frequency : 120Hz						
	Impedance ratio ZT / Z20 (MAX.)	Z-55°C / Z+20°C	5	5	4	3	3
Endurance	After 5000 hours' application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.						
	Capacitance change	Within ±30% of initial value					
	tan δ	300% 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 at right.						
	Capacitance change	Within ±20% of initial value					
	tan δ	150% or less of initial specified value					
Marking	Printed with white color letter on dark brown sleeve.						

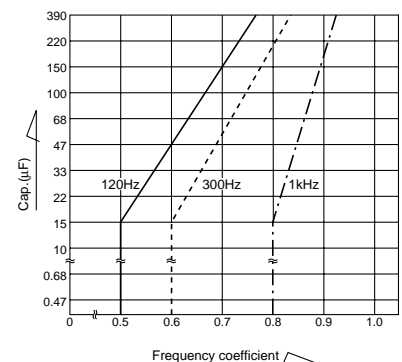
Radial Lead Type



Type numbering system (Example : 25V 47μF)



- Frequency coefficient of rated ripple current (10kHz to 200kHz=1)



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.

■ Dimensions

V(Code)		6.3 (0J)			10 (1A)			16 (1C)			25 (1E)			
Cap.(μ F)	Code	Item	Case size	Impedance	Rated ripple	Case size	Impedance	Rated ripple	Case size	Impedance	Rated ripple	Case size	Impedance	Rated ripple
			ϕ D \times L (mm)	(Ω) MAX. 20°C/100kHz	(mArms) 105°C/100kHz	ϕ D \times L (mm)	(Ω) MAX. 20°C/100kHz	(mArms) 105°C/100kHz	ϕ D \times L (mm)	(Ω) MAX. 20°C/100kHz	(mArms) 105°C/100kHz	ϕ D \times L (mm)	(Ω) MAX. 20°C/100kHz	(mArms) 105°C/100kHz
33		330										5 \times 11	1.40	155
39		390										5 \times 11	1.10	175
47		470							5 \times 11	1.40	155	6.3 \times 11	0.94	210
56		560							5 \times 11	1.10	175	6.3 \times 11	0.75	235
68		680				5 \times 11	1.40	155	6.3 \times 11	0.85	220	6.3 \times 11	0.61	260
82		820				5 \times 11	1.10	175	6.3 \times 11	0.71	240	6.3 \times 11	0.51	285
100		101	5 \times 11	1.50	150	6.3 \times 11	0.94	210	6.3 \times 11	0.60	265	8 \times 11.5	0.41	370
120		121	5 \times 11	1.10	175	6.3 \times 11	0.75	235	6.3 \times 11	0.49	290	8 \times 11.5	0.34	405
150		151	6.3 \times 11	0.83	225	6.3 \times 11	0.60	265	8 \times 11.5	0.39	375	8 \times 11.5	0.27	460
180		181	6.3 \times 11	0.66	250	6.3 \times 11	0.49	290	8 \times 11.5	0.34	405			
220		221	6.3 \times 11	0.51	285	8 \times 11.5	0.41	370	8 \times 11.5	0.27	460			
270		271	8 \times 11.5	0.41	370	8 \times 11.5	0.34	405						
330		331	8 \times 11.5	0.34	405	8 \times 11.5	0.27	460						
390		391	8 \times 11.5	0.29	445									

V(Code)		35 (1V)			50 (1H)			
Cap.(μ F)	Code	Item	Case size	Impedance	Rated ripple	Case size	Impedance	Rated ripple
			ϕ D \times L (mm)	(Ω) MAX. 20°C/100kHz	(mArms) 105°C/100kHz	ϕ D \times L (mm)	(Ω) MAX. 20°C/100kHz	(mArms) 105°C/100kHz
0.47		R47				5 \times 11	32.0	22
0.68		R68				5 \times 11	22.0	28
1		010				5 \times 11	15.0	36
1.5		1R5				5 \times 11	11.0	45
2.2		2R2				5 \times 11	7.00	54
3.3		3R3				5 \times 11	4.60	66
4.7		4R7				5 \times 11	3.10	81
6.8		6R8				5 \times 11	2.50	91
10		100				5 \times 11	2.00	115
12		120				5 \times 11	1.70	125
15		150				5 \times 11	1.30	145
18		180				5 \times 11	1.10	155
22		220	5 \times 11	1.30	160	6.3 \times 11	0.91	195
27		270	5 \times 11	1.00	180	6.3 \times 11	0.74	215
33		330	6.3 \times 11	0.83	225	6.3 \times 11	0.60	240
39		390	6.3 \times 11	0.70	245	6.3 \times 11	0.50	260
47		470	6.3 \times 11	0.58	270	8 \times 11.5	0.42	330
56		560	6.3 \times 11	0.48	295	8 \times 11.5	0.35	360
68		680	8 \times 11.5	0.41	370	8 \times 11.5	0.28	410
82		820	8 \times 11.5	0.32	415			
100		101	8 \times 11.5	0.27	460			