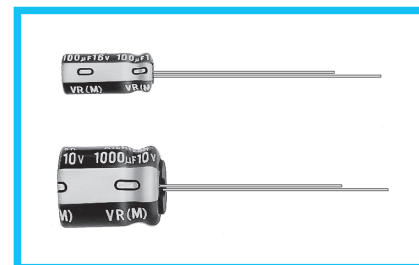
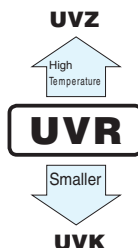


UVR

Miniature Sized


 Anti-Solvent
Feature
(Through
100V only)

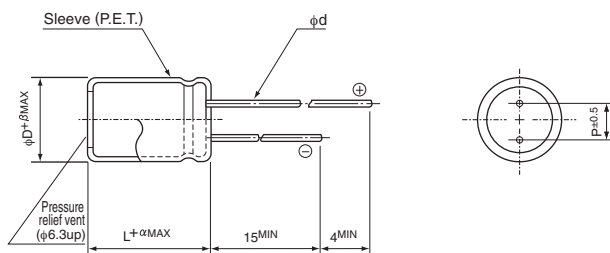
- One rank smaller case sizes than UVX.
- Compliant to the RoHS directive (2011/65/EU).



Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C (6.3V to 400V), -25 to +85°C (450V)												
Rated Voltage Range	6.3 to 450V												
Rated Capacitance Range	0.1 to 33000μF												
Capacitance Tolerance	±20% at 120Hz, 20°C												
Leakage Current	Rated voltage (V)	6.3 to 100V					160 to 450V						
	_____	After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.					After 1 minute's application of rated voltage at 20°C, CV ≤ 1000 : I = 0.1CV+40μA or less						
		After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.					After 1 minute's application of rated voltage at 20°C, CV > 1000 : I = 0.04CV+100 (μA) or less						
Tangent of loss angle (tan δ)	For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.												
		Measurement frequency : 120Hz at 20°C											
	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160 to 315	350 to 450		
	tan δ (MAX.)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.25		
Stability at Low Temperature	Measurement frequency : 120Hz												
	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160 to 200	250 to 350	400	450
	Impedance ratio	Z-25°C / Z+20°C	5	4	3	2	2	2	2	3	4	6	15
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	12	10	8	5	4	3	3	4	8	10	—
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 85°C.						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 85°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 black sleeve.												

Radial Lead Type

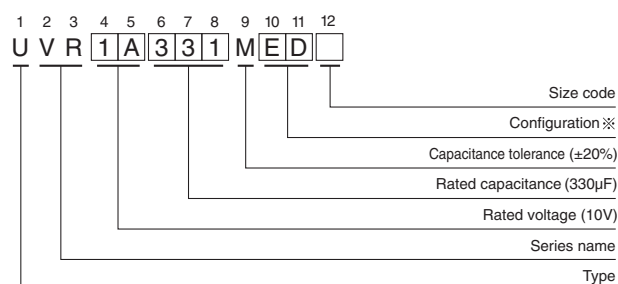


	φD	4	5	6.3	8	10	12.5	16	18	20	22	25
P	1.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0	10.0	10.0	12.5
φd	0.45	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0	1.0	1.0	1.0
β	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0

α	(L < 20) 1.5
	(L ≥ 20) 2.0

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

Type numbering system (Example : 10V 330μF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
4	DD6
5	DD
6.3	ED
8 - 10	PD
12.5 to 18	HD
20 to 25	RD

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.

UVR

■ Dimensions

V	6.3	10	16	25	35	50	63	100
Cap.(μF) Code	0J	1A	1C	1E	1V	1H	1J	2A
0.1	0R1					• 5 × 11	13	5 × 11
0.22	R22					• 5 × 11	29	5 × 11
0.33	R33					• 5 × 11	43	5 × 11
0.47	R47					• 5 × 11	62	5 × 11
1	010					• 5 × 11	17	5 × 11
2.2	2R2					• 5 × 11	28	5 × 11
3.3	3R3					• 5 × 11	35	5 × 11
4.7	4R7			• 5 × 11	35	• 5 × 11	40	5 × 11
10	100		• 5 × 11	50	• 5 × 11	55	• 5 × 11	60
22	220	• 5 × 11	65	• 5 × 11	75	• 5 × 11	80	• 5 × 11
33	330	• 5 × 11	80	• 5 × 11	85	• 5 × 11	90	• 5 × 11
47	470	• 5 × 11	95	• 5 × 11	100	• 5 × 11	110	• 5 × 11
100	101	• 5 × 11	135	• 5 × 11	145	• 5 × 11	160	• 5 × 11
220	221	5 × 11	200	6.3 × 11	240	6.3 × 11	260	8 × 11.5
330	331	6.3 × 11	270	6.3 × 11	290	8 × 11.5	370	10 × 12.5
470	471	6.3 × 11	320	6.3 × 11	350	8 × 11.5	440	10 × 12.5
1000	102	8 × 11.5	540	10 × 12.5	650	10 × 16	790	10 × 20
2200	222	10 × 20	1000	10 × 20	1100	12.5 × 20	1300	12.5 × 25
3300	332	10 × 20	1190	12.5 × 20	1450	12.5 × 25	1700	16 × 25
4700	472	12.5 × 20	1550	12.5 × 25	1800	16 × 25	2100	16 × 31.5
6800	682	12.5 × 25	1920	16 × 25	2250	16 × 35.5	2650	18 × 35.5
10000	103	16 × 25	2350	16 × 35.5	2700	18 × 35.5	2950	20 × 40
15000	153	16 × 35.5	2850	18 × 35.5	3100	20 × 40	3400	22 × 50
22000	223	18 × 40	3350	20 × 40	3700	22 × 50	4200	25 × 50
33000	333	22 × 50	3900	22 × 50	4500	25 × 50	4800	25 × 50

V	160	200	250	315	350	400	450
Cap.(μF) Code	2C	2D	2E	2F	2V	2G	2W
0.47	R47	6.3 × 11	15	6.3 × 11	15	6.3 × 11	15
1	010	6.3 × 11	22	6.3 × 11	22	6.3 × 11	22
2.2	2R2	6.3 × 11	33	6.3 × 11	33	8 × 11.5	33
3.3	3R3	6.3 × 11	40	6.3 × 11	40	8 × 11.5	38
4.7	4R7	6.3 × 11	50	8 × 11.5	55	10 × 12.5	55
10	100	8 × 11.5	80	10 × 12.5	95	10 × 16	70
22	220	10 × 16	155	10 × 20	170	12.5 × 20	130
33	330	10 × 20	205	12.5 × 20	230	16 × 25	240
47	470	12.5 × 20	270	12.5 × 20	270	16 × 31.5	300
100	101	12.5 × 25	430	16 × 31.5	530	18 × 35.5	560
220	221	16 × 35.5	800	18 × 35.5	810	20 × 40	590
330	331	18 × 40	940	20 × 40	1130	22 × 50	850
470	471	22 × 40	1410	22 × 50	1490	25 × 50	1600
1000	102	25 × 50	1900				

Size 4×11 is available for capacitors marked "•"

In this case, [6] will be put at 12th digit of type numbering system "▲"

Rated ripple current (mA) at 85°C 120Hz

● Frequency coefficient of rated ripple current

V	Cap.(μF)	Frequency	50Hz	120Hz	300Hz	1 kHz	10kHz or more
6.3 to 100	0.1 to 47	0.1 to 47	0.75	1.00	1.35	1.57	2.00
		100 to 470	0.80	1.00	1.23	1.34	1.50
		1000 to 33000	0.85	1.00	1.10	1.13	1.15
160 to 450	0.47 to 220	0.47 to 220	0.80	1.00	1.25	1.40	1.60
		330 to 1000	0.90	1.00	1.10	1.13	1.15