

- Laminated case series.
- Suited for automobile electronics where heavy duty services are indispensable.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.



UBX

■ Dimensions

Cap. (μ F)	V (Code)		10		16		25		35	
	Code		1A		1C		1E		1V	
2.2	2R2								10 × 12.5	50
3.3	3R3								10 × 12.5	60
4.7	4R7								10 × 12.5	85
10	100								10 × 12.5	175
22	220								10 × 12.5	200
33	330								10 × 12.5	225
47	470								10 × 12.5	250
100	101						10 × 12.5	250	10 × 20	400
220	221				10 × 16	300	12.5 × 20	500	12.5 × 25	600
330	331	10 × 16	300		10 × 20	400	12.5 × 25	600	16 × 25	800
470	471	10 × 20	400		12.5 × 20	600	16 × 25	800	16 × 31.5	1000
1000	102	12.5 × 25	600		16 × 25	800	16 × 31.5	1000	18 × 40	1300
2200	222	16 × 31.5	1000		18 × 35.5	1200				
3300	332	18 × 35.5	1200		18 × 40	1300				
4700	472	18 × 40	1300						Case size ϕ D × L (mm)	Rated ripple

Cap. (μ F)	V (Code)		50		63		80		100	
	Code		1H		1J		1K		2A	
22	220								10 × 12.5	390
33	330						10 × 12.5	420	10 × 16	510
47	470						10 × 16	550	10 × 20	640
56	560				10 × 12.5	430	10 × 20	690	10 × 20	640
68	680				10 × 16	560	10 × 20	690	12.5 × 20	760
100	101	10 × 12.5	380		10 × 20	710	12.5 × 20	820	12.5 × 25	950
220	221	10 × 20	640		12.5 × 25	1040	16 × 25	1250	16 × 31.5	1380
330	331	12.5 × 20	770		12.5 × 31.5	1170	16 × 31.5	1480	18 × 31.5	1430
470	471	12.5 × 25	960		16 × 25	1280	18 × 31.5	1530		
560	561	12.5 × 31.5	1080		16 × 31.5	1520				
680	681	16 × 25	1190		16 × 35.5	1520				
1000	102	16 × 31.5	1420						Case size ϕ D × L (mm)	Rated ripple

● Frequency coefficient of rated ripple current

Rated ripple current (mA rms) at 150°C 100kHz

V	CV	Frequency	120Hz	300Hz	1kHz	10kHz or more
10 to 100	1000 > CV		0.50	0.64	0.83	1.00
	1000 ≤ CV		0.67	0.79	0.91	1.00

Cap. (μ F)	V (Code)		160		200		350		400	
	Code		2C		2D		2V		2G	
4.7	4R7						10 × 16	77	10 × 20	83
6.8	6R8				10 × 12.5	83	10 × 20	110	12.5 × 20	88
10	100	10 × 12.5	110		10 × 12.5	83	12.5 × 20	120	12.5 × 25	105
15	150	10 × 12.5	110		10 × 16	130	12.5 × 25	130	12.5 × 25	105
22	220	10 × 16	160		10 × 20	170				
33	330	12.5 × 20	230		12.5 × 20	210				
47	470	12.5 × 20	250		12.5 × 25	250				
56	560	12.5 × 25	270		16 × 20	270				
68	680	16 × 20	290		16 × 25	290				
100	101	16 × 25	300						Case size ϕ D × L (mm)	Rated ripple

Rated ripple current (mA rms) at 150°C 120Hz

● Frequency coefficient of rated ripple current

V	Cap. (μ F)	Frequency	50Hz	120Hz	300Hz	1kHz	10kHz	100kHz or more
160 to 400	4.7 to 33		0.75	1.00	1.25	1.50	1.75	1.80
	47 to 100		0.80	1.00	1.15	1.30	1.40	1.50