UVR
Aluminum Polymer Capacitors
Low ESR SMD



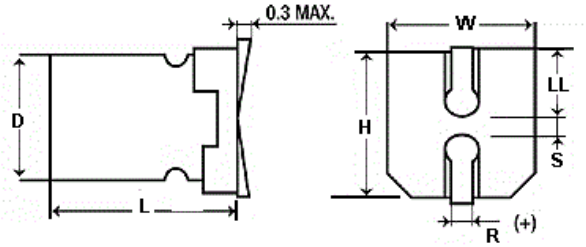
FEATURES	High Temperature – Very Low ESR – High Ripple Current – Stable with Temperature – High Frequency
APPLICATIONS	DC-DC Converters – Voltage Regulators – Decoupling

Operating Temperature Range		**-55°C to +105°C**					
Capacitance Tolerance		**+20% at 120 Hz, 20°C**					
Surge Voltage	**WVDC**	**2.5**	**4**	**6.3**	**10**	**16**	
	SVDC	1.15 x rated WVDC					
Dissipation Factor 120 Hz, 20°C		**12% MAX**					
Leakage Current		**2 Minutes**					
		0.2CV or 280uA, whichever is greater					
Low Temperature Stability Impedance Ratio (100 kHz)	**-55°C/ +20°C**	≤1.25					
	+105°C/ +20°C	≤1.25					

Load Life	**2000 hours at 105°C with rated WVDC applied**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤150% of maximum specified value
	ESR	≤150% of maximum specified value
	Leakage Current	≤100% of maximum specified value
Damp Heat test	**1000 hours at 60°C with rated voltage applied at 90-95% R.H.**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤150% of maximum specified value
	ESR	≤150% of maximum specified value
	Leakage Current	≤100% of maximum specified value
Resistance to Soldering Heat	**Capacitors placed on a 230°C hot plate for 75 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤150% of maximum specified value
	ESR	≤150% of maximum specified value
	Leakage Current	≤100% of maximum specified value

Ripple Current Multipliers	**Frequency (Hz)**			
	120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f≤500kHz
	0.05	0.3	0.7	1.0

Special Order Options



D+0.5	W±0.2	H±0.2	LL±0.2	R±0..15	S±0.2
6.3	6.6	6.6	2.1	.65	1.9
8	8.3	8.3	2.8	.95	3.2
10	10.3	10.3	3.1	.95	3.5

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UVR

+105°C Low ESR, High Ripple Current

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum ESR (mΩ) 100 kHz, +20°C	Leakage Current (µA)	Maximum RMS Ripple Current (mA) 120 kHz, +105°C	Dims DxL (mm)
2.5	330	337UVR2R5MEW	0.6029	17	280	2900	6.3x6
2.5	390	397UVR2R5MEW	0.5101	17	280	3390	6.3x6
2.5	560	567UVR2R5MEW	0.3553	16	280	3500	6.3x6
2.5	560	567UVR2R5MFE	0.3553	12	280	4210	8x10.2
2.5	680	687UVR2R5MFBJ	0.2926	10	340	5020	8x12
2.5	820	827UVR2R5MFE	0.2426	12	410	4210	8x10.2
2.5	1000	108UVR2R5MFF	0.1989	12	500	4260	8x8
4	330	337UVR004MEW	0.6029	17	280	2900	6.3x6
4	560	567UVR004MFE	0.3553	14	544	3950	8x10.2
4	560	567UVR004MFBJ	0.3553	13	448	4520	8x12
4	680	687UVR004MFF	0.2926	13	544	3950	8x8
4	1000	108UVR004MGE	0.1989	14	800	4850	10x10.2
6.3	47	476UVR6R3MEW	4.233	70	500	1600	6.3x6
6.3	100	107UVR6R3MEW	1	50	280	1620	6.3x6
6.3	100	108UVR6R3MFE	0.1989	15	1260	3500	8x10.2
6.3	150	157UVR6R3MEW	1.3263	50	280	1620	6.3x6
6.3	220	227UVR6R3MEW	0.9043	15	280	2450	6.3x6
6.3	330	337UVR6R3MEW	0.6029	25	416	2200	6.3x6
6.3	330	337UVR6R3MEF	0.6029	15	416	2700	6.3x8
6.3	470	477UVR6R3MEK	0.4233	15	582	2700	6.3x9
6.3	470	477UVR6R3MFBJ	0.4233	12	592	4780	8x12
6.3	560	567UVR6R3MFF	0.3553	20	706	2500	8x8
6.3	560	567UVR6R3MFBJ	0.3553	12	706	4780	8x12
6.3	680	687UVR6R3MGE	0.2926	15	857	3500	10x10.2
6.3	820	827UVR6R3MFBJ	0.2426	12	1033	4260	8x12
6.3	820	827UVR6R3MGU	0.2426	12	1033	4500	10x12.5
6.3	1500	158UVR6R3MGE	0.13263	10	1890	4850	10x10.2
6.3	2200	228UVR6R3MGU	0.0943	12	2772	5250	10x12.5
10	47	476UVR010MEW	4.233	50	280	1620	6.3x6
10	120	127UVR010MEW	1.6579	25	280	2320	6.3x6
10	150	157UVR010MEW	1.3263	27	300	2320	6.3x6
10	330	337UVR010MFBJ	0.6029	14	660	4390	8x12
10	470	477UVR010MFBJ	0.4233	25	940	3500	8x12
16	39	396UVR016MEW	5.101	50	280	1620	6.3x6
16	68	686UVR016MEW	2.926	30	280	2200	6.3x6
16	100	107UVR016MEW	1.9894	25	320	2700	6.3x6
16	150	157UVR016MFF	1.3263	22	480	3150	8x8
16	180	187UVR016MFBJ	1.1052	16	576	4040	8x12
16	220	227UVR016MFF	0.9043	22	704	3150	8x8
16	220	227UVR016MFE	0.9043	22	704	3450	8x10.2
16	270	277UVR016MFE	0.7368	20	864	3600	8x10.2
16	270	277UVR016MFBJ	0.7368	13	864	5200	8x12
16	330	337UVR016MFBJ	0.6029	16	1056	4720	8x12
16	330	337UVR016MGU	0.6029	13	1056	4100	10x12.5
16	470	477UVR016MFBJ	0.4233	14	1504	4040	8x12
16	470	477UVR016MGU	0.4233	13	1504	4100	10x12.5
16	680	687UVR016MGU	0.2926	18	2176	4750	10x12.5

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