



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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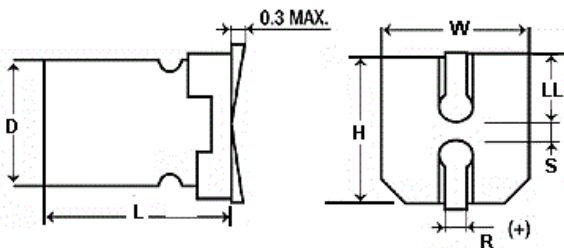
#### FEATURES

High Temperature – Very Low ESR – High Ripple Current – Stable with Temperature – High Frequency

#### APPLICATIONS

DC-DC Converters – Voltage Regulators – Decoupling

<b>Operating Temperature Range</b>		<b>-55°C to +105°C</b>						
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>						
<b>Surge Voltage</b>	<b>WVDC</b>	<b>2.5</b>	<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>20</b>	<b>25</b>
	<b>SVDC</b>	1.15 x rated WVDC						
<b>Dissipation Factor 120 Hz, 20°C</b>		<b>15% MAX</b>						
<b>Leakage Current</b>		<b>2 Minutes</b>						
		0.2CV or 280uA, whichever is greater						
<b>Low Temperature Stability Impedance Ratio (100 kHz)</b>	<b>-55°C/ +20°C</b>	≤1.25						
	<b>+105°C/ +20°C</b>	≤1.25						
<b>Load Life</b>		<b>2000 hours at 105°C with rated WVDC applied</b>						
		<b>Capacitance Change</b>	≤20% of initial measured value					
		<b>Dissipation Factor</b>	≤150% of maximum specified value					
		<b>ESR</b>	≤150% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Damp Heat test</b>		<b>1000 hours at 60°C with rated voltage applied at 90-95% R.H.</b>						
		<b>Capacitance Change</b>	≤20% of initial measured value					
		<b>Dissipation Factor</b>	≤150% of maximum specified value					
		<b>ESR</b>	≤150% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Resistance to Soldering Heat</b>		<b>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</b>						
		<b>Capacitance Change</b>	≤20% of initial measured value					
		<b>Dissipation Factor</b>	≤150% of maximum specified value					
		<b>ESR</b>	≤150% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>						
		120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f<500kHz			
		0.05	0.3	0.7	1.0			



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

# UVG

+105°C Low ESR Standard

Capacitance (µF)	WVDC	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)
22	20	<a href="#">226UVG020MEW</a>	11.3	60	280	1450	6.3x6
47	20	<a href="#">476UVG020MFF</a>	5.29	45	280	1890	8x8
47	25	<a href="#">476UVG025MEW</a>	5.29	70	280	1600	6.3x6
47	25	<a href="#">476UVG025MFE</a>	5.29	45	280	1600	8x10.2
100	20	<a href="#">107UVG020MFBJ</a>	2.49	30	400	2960	8x12
180	16	<a href="#">187UVG016MFBJ</a>	1.38	20	576	3640	8x12
330	2.5	<a href="#">337UVG2R5MEW</a>	0.75	26	280	2247	6.3x6
330	4	<a href="#">337UVG4R0MEW</a>	0.75	21	280	2630	6.3x6
330	10	<a href="#">337UVG010MFBJ</a>	0.75	17	660	3950	8x12
470	6.3	<a href="#">477UVG6R3MFBJ</a>	0.53	15	592	4210	8x12
560	2.5	<a href="#">567UVG2R5MFE</a>	0.44	15	280	4210	8x10.2
560	4	<a href="#">567UVG4R0MFBJ</a>	0.44	15	448	4000	8x12
560	10	<a href="#">567UVG010MFBJ</a>	0.44	17	1120	3950	8x12
680	2.5	<a href="#">687UVG2R5MFBJ</a>	0.37	13	340	4520	8x12
820	6.3	<a href="#">827UVG6R3MFBJ</a>	0.3	15	1033	4210	8x12