



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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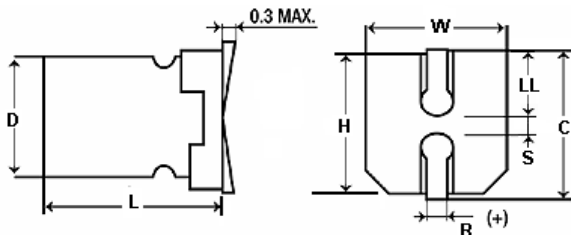
FEATURES

Small size - High Temperature - Lead Free Leads

APPLICATIONS

Bypass - Coupling - Filtering - De-coupling

Operating Temperature Range		-40°C to +125°C				
Capacitance Tolerance		+20% at 120 Hz, 20°C				
Surge voltage	WVDC	10	16	25	35	50
	SVDC	13	20	32	44	63
Dissipation Factor	WVDC	10	16	25	35	50
	tan δ	.30	.24	.2	.17	.14
Leakage current		2 Minutes				
		.01CV or 3uA, Whichever is greater				
Low temperature stability Impedance ratio (120 Hz)	Rated WVDC	10	16	25	35	50
	-25°C to +20°C	6	5	4	3	3
	-40°C to +20°C	12	8	6	4	4
Load Life		1000 hours (1500 hours for 8, 10mm) at 125°C with rated WVDC				
		Capacitance change	≤30% of initial measured value			
		Dissipation factor	≤300% of maximum specified value			
		Leakage current	≤100% of maximum specified value			
Shelf Life		1000 hours at 125°C with no voltage applied (Rated WVDC applied for 30 minutes prior to measuring)				
		Capacitance change	≤30% of initial measured value			
		Dissipation factor	≤300% of maximum specified value			
		Leakage current	≤100% of maximum specified value			
Resistance to soldering heat		Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature				
		Capacitance change	≤10% of initial measured value			
		Dissipation factor	≤100% of maximum specified value			
		Leakage current	≤100% of maximum specified value			
Ripple Current Multipliers		Frequency (Hz)				
		50	120	300	1k	10k
		.85	1	1.17	1.36	1.5



D+0.5	L	W+0.2	H+0.2	C+0.2	R	LL+0.2	S+0.2
6.3	7.7 +/-0.3	6.6	6.6	7.3	0.5~0.8	2.4	2.2
8	10.5 +/-0.5	8.3	8.3	9	0.8~1.1	2.9	3.1
10	10.5 +/-0.5	1.03	10.3	11	0.8~1.1	3.2	4.5

