UVK

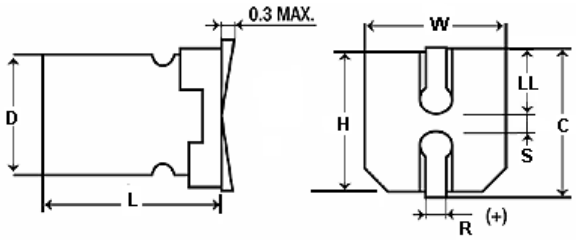
125ºC Surface Mount Capacitors

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

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