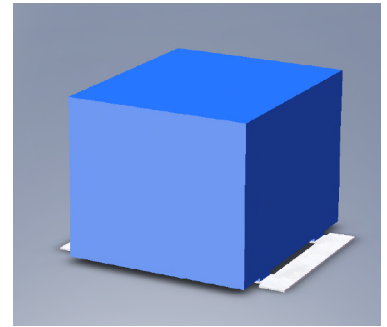
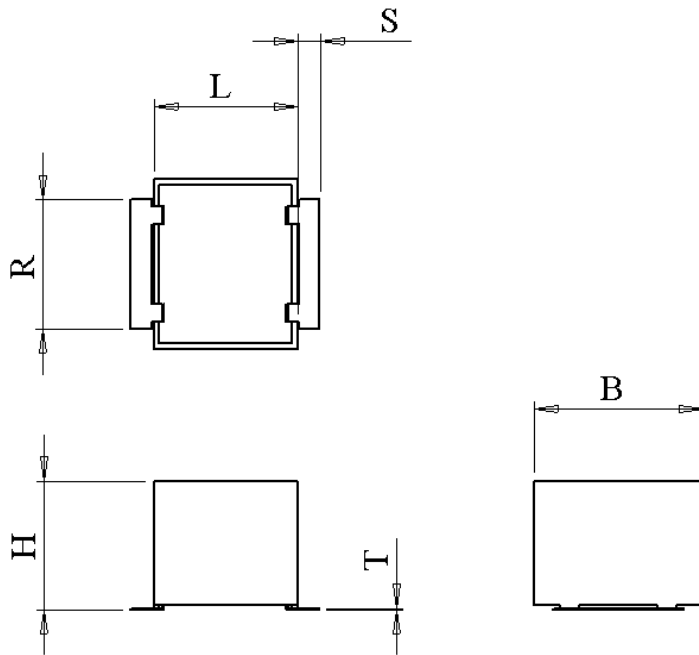


#5874

Power Electronics Capacitors

MKT 5-100.0 SMF1 K



Surface mount device - Self-extinguishing plastic housing
Dielectric metallized polyester - Epoxy resin sealing UL 94-V0

Parameter	Symbol	Value	Unit	Condition
Capacitance	C	100	μF	1 V / 1 kHz
Tolerance		± 10	%	
Rated voltage	U_n DC	50	VDC	
RMS current	I RMS max.	8	A _{eff}	50 kHz / 105 °C
slope of voltage variation	du/dt max.	15	V/ μsec	max. repetitive
Repetitive surge current	I cr. max	1500	A	
Tangent delta	tg δ	≤ 95	1C ⁴	1 kHz
Equivalent serie resistance	ESR	≤ 4.0	m Ω	50 kHz
Stray inductance	ESL	≤ 7	nH	
Insulation resistance	Ri	> 12.5	M Ω	50 VDC - 1 min
Test voltage between terminals	U T1	80	VDC	10 s
Climatic category		55/125/21		
Dimension	Symbol		Unit	Conditions
Width	B	23.5 ± 0.2	mm	
Height	H	18.0 ± 0.25	mm	
Length	L	20.0 ± 0.2	mm	
Terminals				
	R	18 ± 0.5	mm	
	S	3.0 ± 0.25	mm	
	T max	0.3	mm	
	M1	03.11.2010	HJJ	
	M0	01.09.2010	HJJ	
	Modification	Date	Visa émetteur	

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Leclanché
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