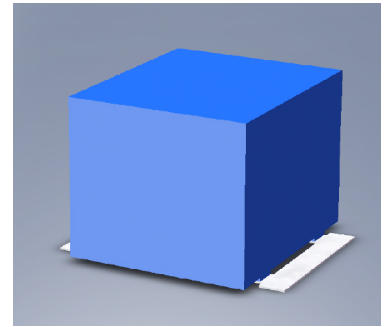
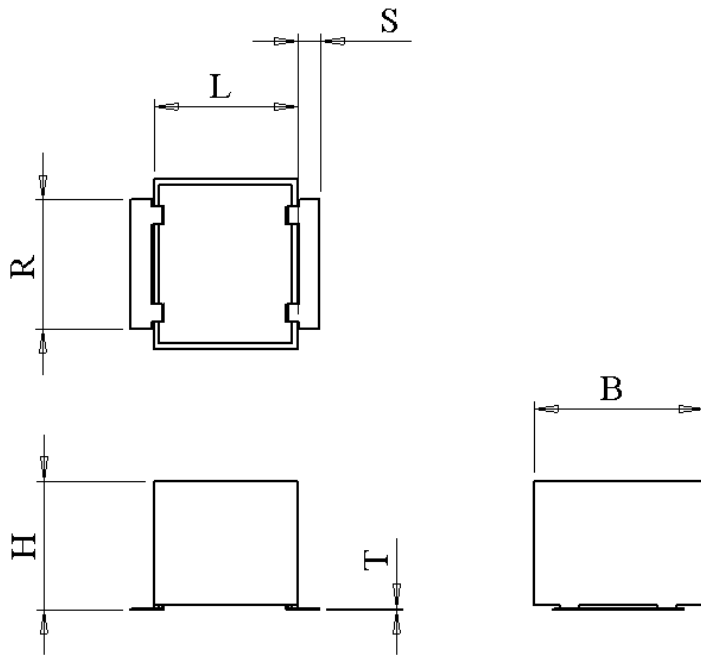


#5874

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	$\mu\text{F}$	1 V / 1 kHz
Tolerance		$\pm 10$	%	
Rated voltage	$U_n$ DC	50	VDC	
RMS current	I RMS max.	8	A <sub>eff</sub>	50 kHz / 105 °C
slope of voltage variation	du/dt max.	15	V/ $\mu\text{sec}$	max. repetitive
Repetitive surge current	I cr. max	1500	A	
Tangent delta	tg $\delta$	$\leq 95$	1C <sup>4</sup>	1 kHz
Equivalent serie resistance	ESR	$\leq 4.0$	m $\Omega$	50 kHz
Stray inductance	ESL	$\leq 7$	nH	
Insulation resistance	Ri	$> 12.5$	M $\Omega$	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	$23.5 \pm 0.2$	mm	
Height	H	$18.0 \pm 0.25$	mm	
Length	L	$20.0 \pm 0.2$	mm	
Terminals				
	R	$18 \pm 0.5$	mm	
	S	$3.0 \pm 0.25$	mm	
	T max	0.3	mm	
	M1	03.11.2010	HJJ	
	M0	01.09.2010	HJJ	
	Modification	Date	Visa émetteur	

Condensateurs CH 1400 Yverdon, Switzerland  
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**Leclanché**  
Capacitors  
A FISCHER & TAUSSCHKE COMPANY

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06.11.2009

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