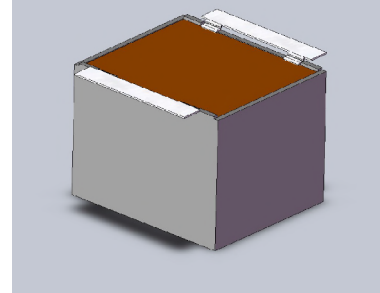
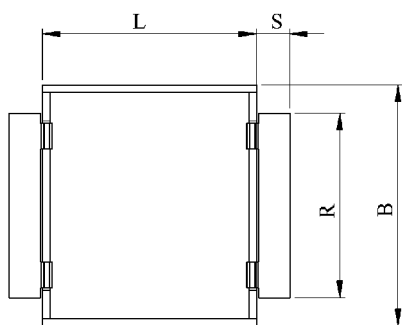
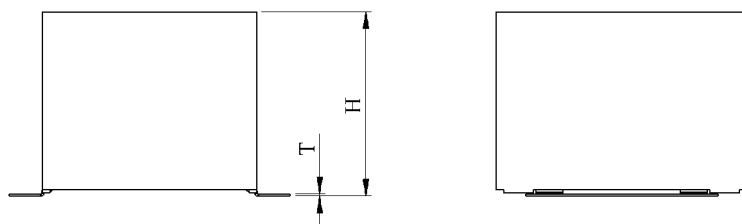


#6311

## Power Electronics Capacitors

MKT 63-1.0 SMF K

Preliminary  
data sheet

Surface mount device - Self-extinguishing plastic housing  
Dielectric metallized polyester - Epoxy resin sealing UL 94-V0  
Measurement and test conditions EN 130'000 - EN 132200

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		1	$\mu\text{F}$	1 V / 1 kHz
Tolerance			$\pm 10$	%	
Rated voltage	$U_n$ DC		630	VDC	
RMS current	$I_{\text{RMS max.}}$		4.1	A <sub>eff</sub>	300 kHz / 105 °C
slope of voltage variation	$du/dt$ max.		40	V/ $\mu\text{sec}$	max. repetitive
Repetitive surge current	$I_{\text{cr. max}}$		40	A	
Tangent delta	$\text{tg}\delta$		$\leq 95$	$10^{-4}$	1 kHz
Equivalent serie resistance	ESR		$\leq 31$	m $\Omega$	100 kHz
Stray inductance	ESL		$\leq 9$	nH	
Insulation resistance	$R_i$		$> 2500$	M $\Omega$	500 VDC - 1 min
Test voltage between terminals	U T1		1008	VDC	10 s
Climatic category			55/125/21		
Dimension	Symbol			Unit	Conditions
Width	B max.		20.5	mm	
Height	H max.		20.1	mm	
Length	L max.		20.5	mm	
Terminals					
	R		$15 \pm 0.5$	mm	
	S		$3.0 \pm 0.25$	mm	
	T max.		0.3	mm	
	M1				
	M0				
	Modification	Date	Visa émetteur		

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

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