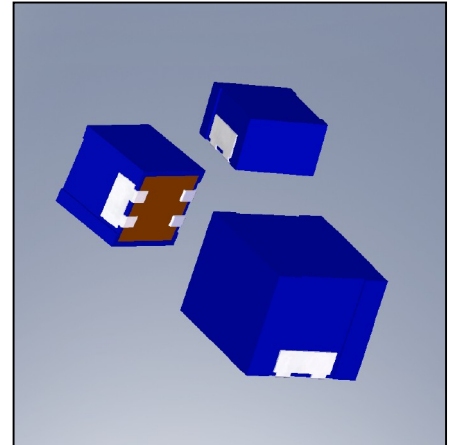
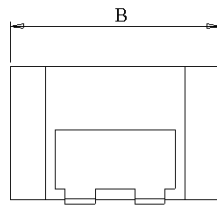
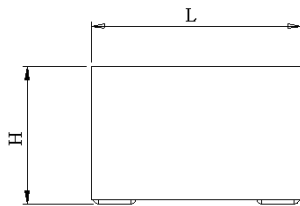
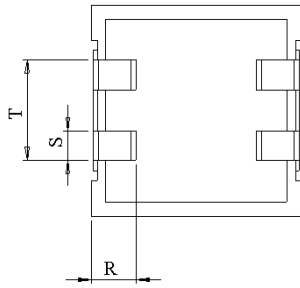


#5811

Power Electronics Capacitors

MKT 10-8.2 SMD K

PRELIMINARY



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

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		8.2	$\mu\text{F}$	1 V / 1 kHz
Tolerance			$\pm 10$	%	
Rated voltage	Un DC		100	VDC	
Rated voltage	Un AC		30	Veff	50 Hz
RMS current	I RMS max.		5.6	Aeff	300 kHz / 105 °C
Tangent delta	tg $\delta$		$\leq 90$	$10^{-4}$	1 kHz
Equivalent serie resistance	ESR		$\leq 5.4$	m $\Omega$	300 kHz
Stray inductance	ESL		$\leq 5$	nH	
Insulation resistance	Ri		$> 152$	M $\Omega$	100 VDC - 1 min
Test voltage between terminals	U T1		160	VDC	10 s
Climatic category			55/125/21		
Dimension	Symbol			Unit	Conditions
Width	B max		17	mm	
Height	H max		10	mm	
Length	L max		18.5	mm	
Terminals					
	R		$2.25 \pm 0.25$	mm	
	S		$2 \pm 0.2$	mm	
	T		$7.0 \pm 0.2$	mm	
	M1				
	M0				
	Modification	Date	Visa émetteur		

Condensateurs CH 1400 Yverdon-les-Bains  
Kondensatoren Tel.: ++41 24 445 66 88  
Capacitors Fax: ++41 24 445 66 89

**Le lancé**  
**Capacitors**  
A FISCHER & TROSCHE COMPANY

HJJ

30.04.2009

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