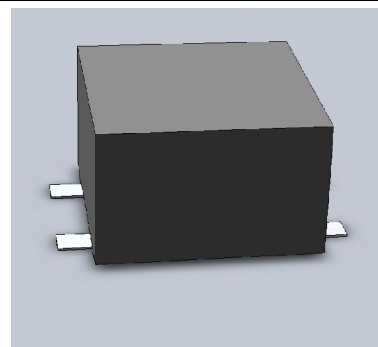
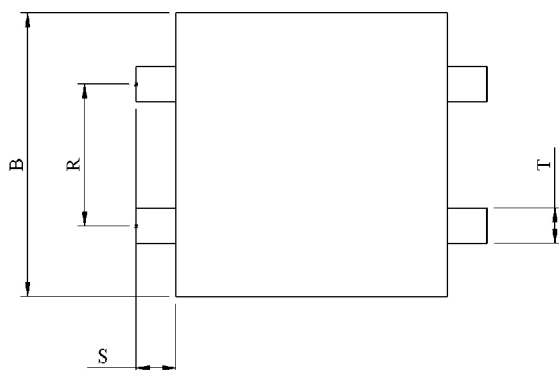
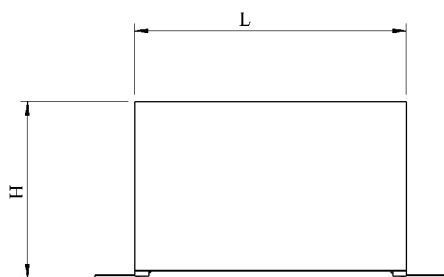


#6288

## Power Electronics Capacitors

MKT 10-10.0 SMG M

Preliminary  
data sheet

Surface mount device - Self-extinguishing plastic housing  
Dielectric metallized polyester - Epoxy resin sealing UL 94-V0  
Measurements and test CECC 30'000- CECC 32'200

Parameter	Symbol	Value	Unit	Condition
Capacitance	C	10	$\mu\text{F}$	1 V / 1 kHz
Tolerance		$\pm 20$	%	
Rated voltage	Un DC	100	VDC	
Maximum current	I RMS max.	7.5	Aeff	100 kHz / 105 °C
Tangent delta	tg $\delta$	$\leq 100$	$10^{-4}$	1 kHz
Equivalent serie resistance	ESR	$\leq 6.8$	m $\Omega$	100 kHz
Stray inductance	ESL	$\leq 9$	nH	
Insulation resistance	Ri	$> 300$	M $\Omega$	100 VDC - 1 min
Test voltage between terminals	U T1	160	VDC	10 s
Climatic category		55/125/21		
Dimension	Symbol	Value	Unit	Conditions
Width	B max	20.5	mm	
Height	H max	12.6	mm	
Length	L max	20.5	mm	
Terminals				
	R	$10 \pm 0.5$	mm	
	S	$3 \pm 0.25$	mm	
	T	$2.6 \pm 0.15$	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

**Lecdanché**  
Capacitors  
A PROCHER & FALLOUCCI COMPANY

HJJ

14.04.2014

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