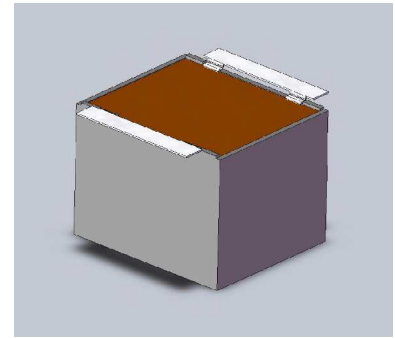
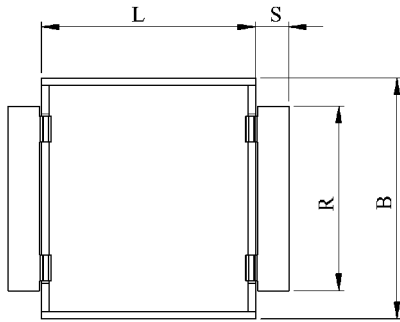
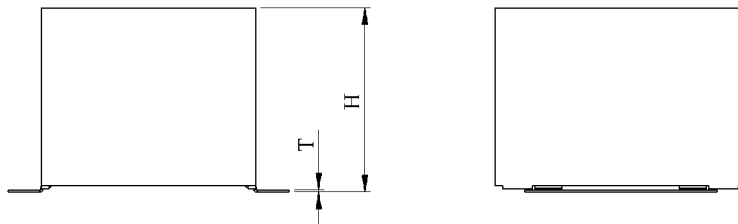



#6326

## Power Electronics Capacitors

MKT 40-1.0 SMF K

Preliminary  
data sheetPreliminary  
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	Un DC	400	VDC		
RMS current	I RMS max.	3.8	Aeff	300 kHz / 105 °C	
slope of voltage variation	du/dt max.	50	V/ $\mu\text{sec}$	max. repetitive	
Repetitive surge current	I cr. max	50	A		
Tangent delta	tg $\delta$	$\leq 95$	$10^{-4}$	1 kHz	
Equivalent serie resistance	ESR	$\leq 33$	m $\Omega$	100 kHz	
Stray inductance	ESL	$\leq 8$	nH		
Insulation resistance	Ri	> 2500	M $\Omega$	100 VDC - 1 min	
Test voltage between terminals	U T1	640	VDC	10 s	
Climatic category		55/125/21			
Dimension	Symbol	Value	Unit	Conditions	
Width	B max.	20.5	mm		
Height	H max.	8.1	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			www.Lcap.ch	capinfo@Lcap.ch
Kondensatoren	Tel.: ++41 24 445 66 88				
Capacitors	Fax: ++41 24 445 66 89				
		HJJ	28.08.2014	faisab6326.XLS	