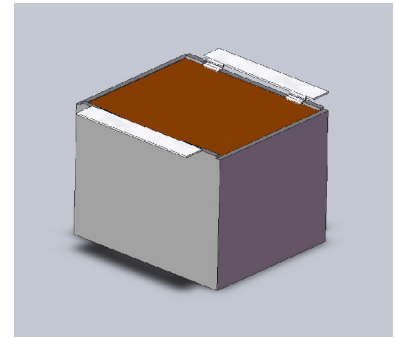
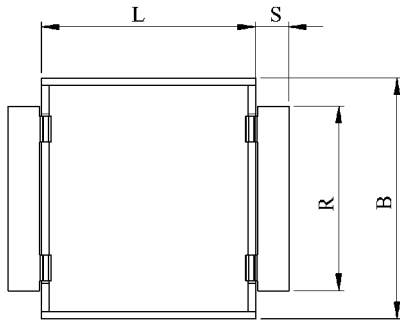
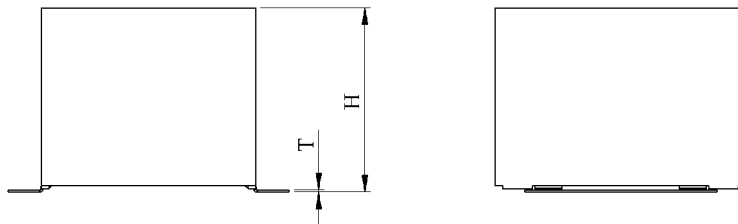



#6326

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	μF	1 V / 1 kHz		
Tolerance		± 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/ μsec	max. repetitive		
Repetitive surge current	I cr. max	50	A			
Tangent delta	tg δ	≤ 95	10^{-4}	1 kHz		
Equivalent serie resistance	ESR	≤ 33	m Ω	100 kHz		
Stray inductance	ESL	≤ 8	nH			
Insulation resistance	Ri	> 2500	M Ω	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		
Kondensatoren	Tel.: ++41 24 445 66 88				HJJ	capinfo@Lcap.ch
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