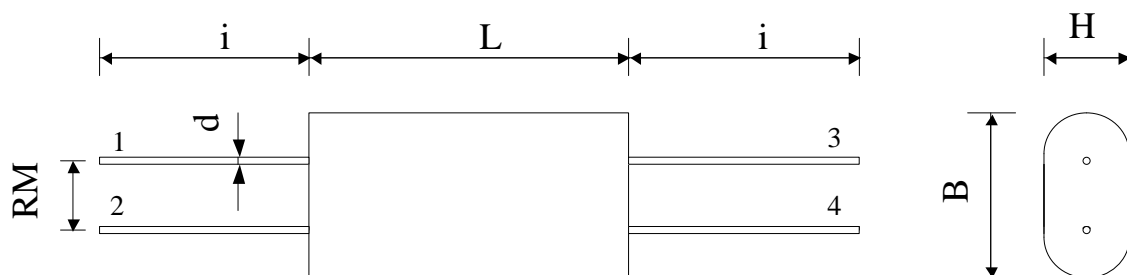


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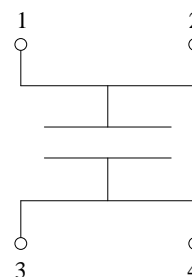
Power Electronics Capacitors

MKT-4 5-100.0 df K



Dielectric of metallized polyester

Polyester wrapped UL510 / Epoxy resin sealing UL 94-V0



Parameter	Symbol	Value	Unit	Condition
Capacitance	C	100	μF	1 V / 1 kHz
Tolerance		± 10	%	
Rated voltage	U_r	50	VDC	85 °C
Tangent delta	$\text{tg}\delta$	≤ 100	10^{-4}	1 kHz
Equivalent serie resistance	ESR	≤ 2.0	$\text{m}\Omega$	100 kHz
RMS current	I RMS max.	25	A _{eff}	100 kHz / 100°C
slope of voltage variation	du/dt max.	8	V/ μsec	max. repetitive
Repetitive surge current	I cr. max	800	A	
Stray inductance	ESL	≤ 15	nH	
Insulation resistance	R_i	> 100	$\text{M}\Omega$	50 VDC - 1 min
Test voltage between terminals	U T1	80	VDC	10 s
Operating temperature		- 55 / + 125 °C		
Dimension	Symbol		Unit	Conditions
Width	B max	32	mm	
Height	H max	21	mm	
Length	L max	45	mm	
Terminals				
Radial tinned wire	d	1.2	mm	
RM		12.7 ± 2.0	mm	
Length	i	≥ 38 mm		
	M1			
	M0	21.12.2012	HJJ	
	Modification	Date	Visa émetteur	

Condensateurs CH 1400 Yverdon, Switzerland
 Kondensatoren Tel.: ++41 24 445 66 88
 Capacitors Fax: ++41 24 445 66 89

Leclanché
Capacitors
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www.Lcap.ch
 19.12.2012

capinfo@Lcap.ch
 faisab6146.XLS