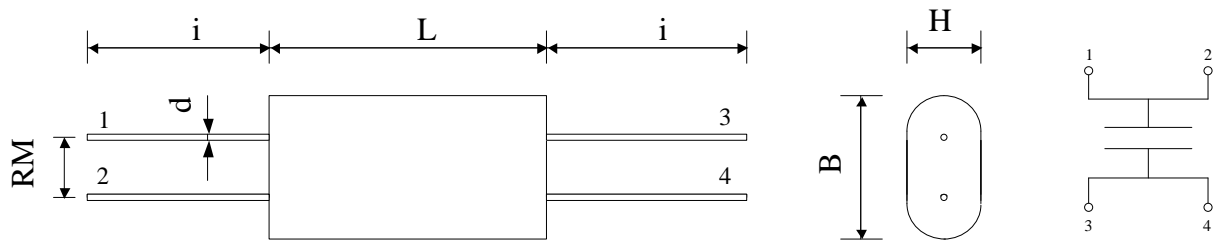


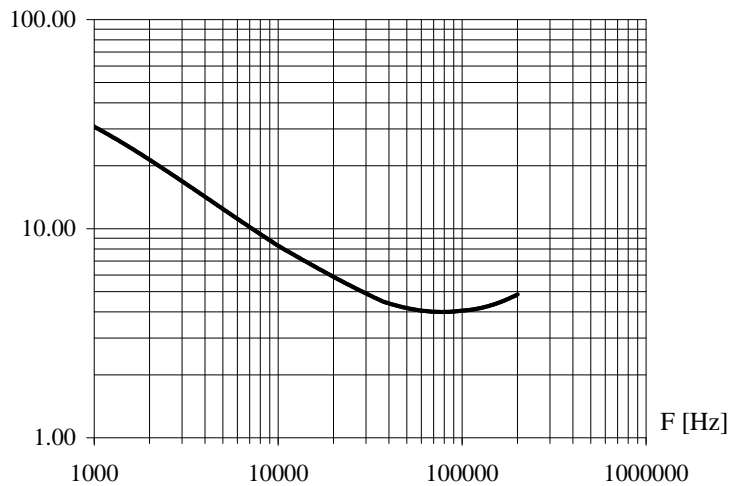
#5819

Power Electronics Capacitors

MKT-4 45-39.0 df K



ESR [mΩ] Equivalent serie resistance versus frequency



Operating conditions	
Ambient Temperature [°]	Voltage [VDC]
100	450
115	385
125	340

Dielectric metallized polyester Polyester wrapped UL 510 Epoxy resin end sealing UL 94-V0

Parameter	Symbol	Value	Unit	Condition
Capacitance	C	39	μF	1 V / 1 kHz
Tolerance		± 10	%	
Rated voltage	Ur	450	VDC	100°C
Tangent delta	tgδ	≤ 100	10 ⁻⁴	1 kHz
Equivalent serie resistance	ESR	≤ 8.2	mΩ	10 kHz
Thermal resistance in air	Rth (hs-a)	18.1	°C/W	Hot spot - ambiance
Thermal resistance in air	Rth (hs-c)	6.1	°C/W	Hot spot - case
Stray inductance	ESL	≤ 15	nH	
Insulation resistance	Ri	> 256	MΩ	100 VDC - 1 min
Test voltage between terminals	U T1	720	VDC	10 s
Operating temperature		- 55 / + 125 °C		
Dimension	Symbol	Value	Unit	Conditions
Width	B max	42	mm	
Height	H max	26	mm	
Length	L max	45	mm	
Terminals				
Radial tinned wire	d	1.2	mm	
RM		12.7 ± 2.0	mm	
Lenght	i	≥ 38 mm		
	M1			
	M0			
Modification	Date	Visa émetteur		

Condensateurs CH 1400 Yverdon-les-Bains
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HJJ

14.05.2009

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