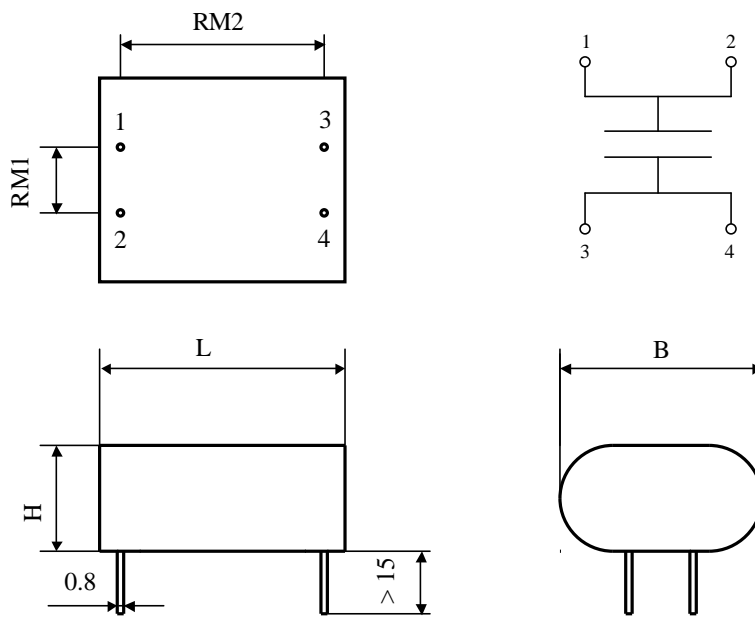


#5889

Power Electronics Capacitors

MKT-4 50-1.0 a K



Dielectric metallized polyester
Epoxy resin end sealing UL 94-V0

Polyester wrapped UL 510

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		1	μF	1 V / 1 kHz
Tolerance			± 10	%	
Rated voltage	Un DC		500	VDC	
Rated temperature			100	$^{\circ}\text{C}$	
RMS current	I RMS max.		3.15	Aeff	200 kHz / 100 $^{\circ}\text{C}$
Tangent delta	tg δ		≤ 80	10^{-4}	1 kHz
Equivalent serie resistance	ESR		≤ 52	m Ω	100 kHz
Stray inductance	ESL		≤ 15	nH	
Insulation resistance	Ri		$> 10^6$	M Ω	100 VDC - 1 min
Test voltage between terminals	U T1		800	VDC	10 s
Operating temperature			- 55 / + 125	$^{\circ}\text{C}$	

Dimension	Symbol		Value	Unit	Conditions
Width	B		16	mm	
Height	H		10	mm	
Length	L		33	mm	
Terminals					
Radial tinned wire	d		1	mm	
RM1			5.08 ± 0.5	mm	
RM2			27.94 ± 0.5	mm	
	M1				
	M0				
	Modification	Date	Visa émetteur		

Condensateurs CH 1401 Yverdon-les-Bains
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Le Janché
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HJJ

11.12.2009

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