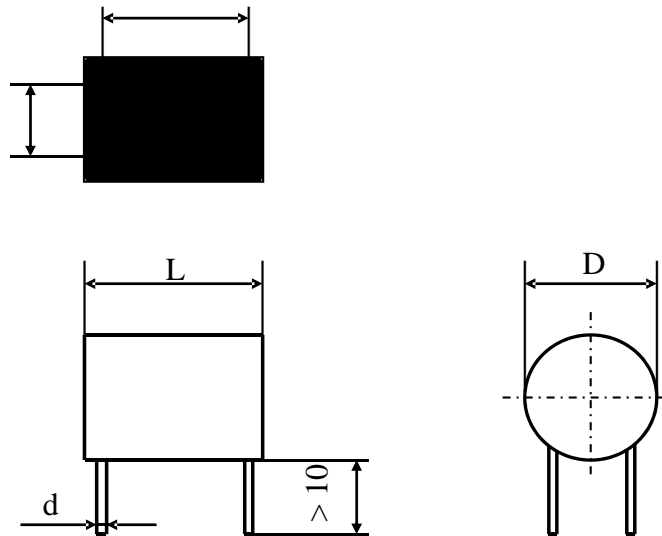


#5987

Power Electronics Capacitors

MKT-4 6-10.0 a K



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

As possible, this capacitor is manufactured in compliance with European Norms EN130000 and EN130400. However because the capacitor is extremely compact the value for resistance insulation is not compliant.

Parameter	Symbol	Value	Unit	Condition
Capacitance	C	10	μF	1 V / 1 kHz
Tolerance		± 10	%	
Rated voltage	Un DC	63	VDC	100 °C
RMS current continuous	I RMS	2.7	Aeff	100 kHz
Slope of voltage variation	du/dt max.	20	V/ μsec	max. repetitive
Repetitive surge current	I cr. max	200	A	
Tangent delta	tg δ	≤ 70	10^{-4}	1 V / 1 kHz
Equivalent serie resistance max	ESR	≤ 10	m Ω	100 kHz
Stray inductance	ESL	≤ 20	nH	
Insulation resistance	Ri	> 500	M Ω	50 VDC - 1 min
Test voltage between terminals	U T1	100	VDC	10 s
Operating temperature		- 55 / + 125 °C		
Dimension	Symbol	Value	Unit	Conditions
Diameter	D max	12.3	mm	
Length	L max	13	mm	
Terminals				
Radial tinned wire	\varnothing	0.6	mm	
RM1		6.35 ± 0.5	mm	
RM2		10.16 ± 0.5	mm	
	M1			
	M0	15.02.2010	FS	RMS + ESR max
	Modification	Date	Visa émetteur	

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Lecranché
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