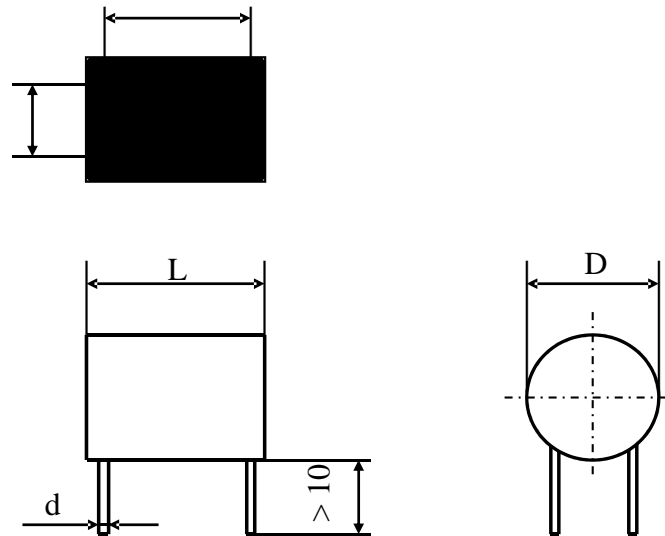


#5987

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			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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