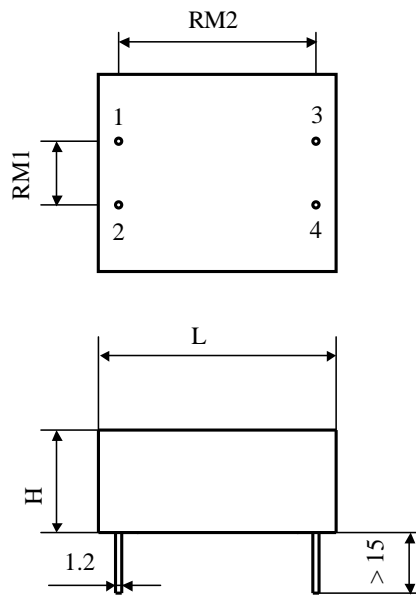


#5826

Power Electronics Capacitors

MKT-4 10-180.0 a K



## Operating conditions

Ambient Temperature [°]	Voltage [VDC]	Current I RMS max 2.16 kHz
100	Ur	7.07 A
105	0.95 Ur	6.25 A
115	0.85 Ur	4.37 A
125	0.75 Ur	1.25 A

Dielectric metallized polyester  
Epoxy resin end sealing UL 94-V0

Polyester wrapped UL 510

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		180	μF	1 V / 1 kHz
Tolerance			± 10	%	
Rated voltage	Ur		100	VDC	100°C
Rated voltage	Un AC		15	Veff	50 Hz
Tangent delta	tgδ		≤ 100	10 <sup>-4</sup>	1 kHz
Equivalent serie resistance	ESR		≤ 3.0	mΩ	10 kHz
Stray inductance	ESL		≤ 15	nH	
Insulation resistance	Ri		> 7	MΩ	100 VDC - 1 min
Test voltage between terminals	U T1		160	VDC	10 s
Operating temperature			- 55 / + 125 °C		
Dimension	Symbol			Unit	Conditions
Width	B max		36.5	mm	
Height	H max		30	mm	
Length	L max		37	mm	
Terminals					
Radial tinned wire	∅		1.2	mm	
RM1			15.4 ± 1.0	mm	
RM2			32.5 ± 1.0	mm	
Mass approx.	m		48	g	
	M1				
	M0	12.06.2009	HJJ		
	Modification	Date	Visa émetteur		

Condensateurs CH 1400 Yverdon-les-Bains  
Kondensatoren Tel.: ++41 24 445 66 88  
Capacitors Fax: ++41 24 445 66 89

**Le lanché**  
Capacitors  
A FISCHER & TALSCHER COMPANY

HJJ

02.06.2009

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