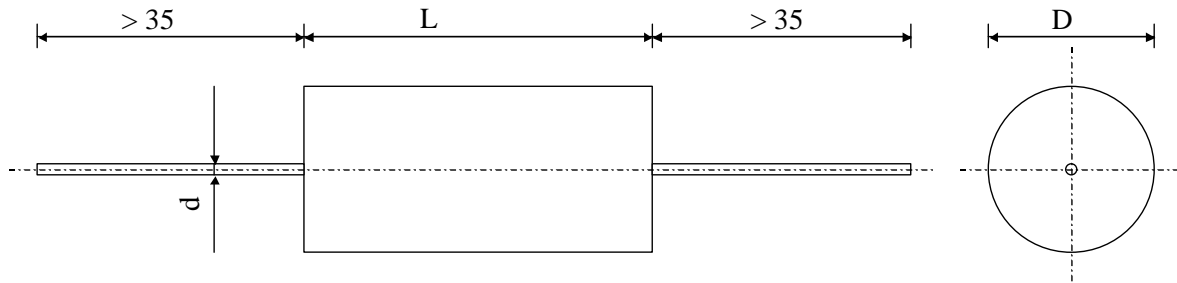


#5856

Power Electronics Capacitors

MKT 7-167.0 d K



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

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		167	$\mu\text{F}$	1 V / 1 kHz
Tolerance			$\pm 10$	%	
Rated voltage	Un DC		75	VDC	
Rated voltage	Un AC		15	Veff	50 Hz
Slope of voltage variation	du/dt max.		9	V/ $\mu\text{s}$	max. repetitive
Repetitive surge current	I cr. max		1500	A	max. repetitive
RMS current	I RMS max.		8	Aeff	25 kHz / 70°C
Tangent delta	tg $\delta$		$\leq 100$	$10^{-4}$	1 kHz
Serie resistance	Rs		$\leq 1.9$	m $\Omega$	10 kHz
Stray inductance	ESL		$\leq 35$	nH	
Insulation resistance	Ri		60	M $\Omega$	100 VDC - 1 min
Test voltage between terminals	U T1		115	VDC	10 s
Operating temperature			- 55 / + 125	°C	
Dimension	Symbol			Unit	Conditions
Diameter	D		32	mm	
Lenght	L		37	mm	
Terminals					
Axial tinned wire	d		1.0	mm	
	M1				
	M0				
	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 & TANSICHE COMPANY

HJJ

23.09.2009

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