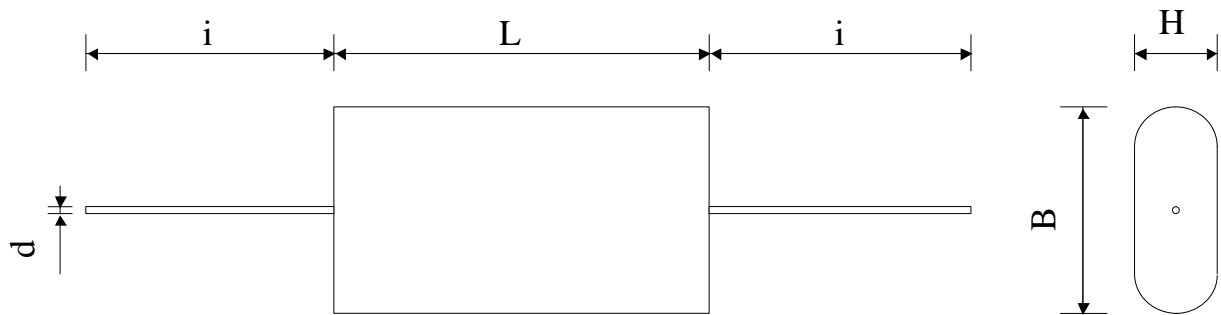


#5616

HIGH TEMPERATURE FILM CAPACITORS

MKS 50-1.0 df K



Dielectric of metallized polyphenylene sulfide

Polyester wrapped / Epoxy resin sealing

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		1	$\mu\text{F}$	1 V / 1 kHz
Tolerance			$\pm 10$	%	
Rated voltage	Un DC		500	VDC	
Rated voltage	Un AC		250	Veff	50 to 800 Hz
RMS current	I RMS max.		7	Aeff	10 kHz
slope of voltage variation	du/dt max.		30	V/ $\mu\text{sec}$	max. repetitive
Repetitive surge current	I cr. max		30	A	
Tangente delta	tg $\delta$		$\leq 6$	$10^{-4}$	1 V / 1 kHz
Tangente delta	tg $\delta$		$\leq 18$	$10^{-4}$	1 V / 10 kHz
Stray inductance	ESL		$\leq 50$	nH	
Insulation resistance	Ri		$> 10^4$	M $\Omega$	100 VDC - 1 min
Test voltage between terminals	U T1		800	VDC	10 s
Operating temperature			- 55 ... + 125	$^{\circ}\text{C}$	
Dimension	Symbol			Unit	Conditions
Width	B max		23.5	mm	
Height	H max		10.5	mm	
Length	L max		45	mm	
Terminals					
Axial tinned wire	d		$\varnothing 1.0 \times 30$	mm	
	M1				
	M0				
	Modification	Date	Visa émetteur		

Condensateurs CH 1401 Yverdon-les-Bains  
 Kondensatoren Tel.: ++41 24 445 66 88  
 Capacitors Fax: ++41 24 445 66 89

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

HJJ

08.12.2006

faisab5616.XLS