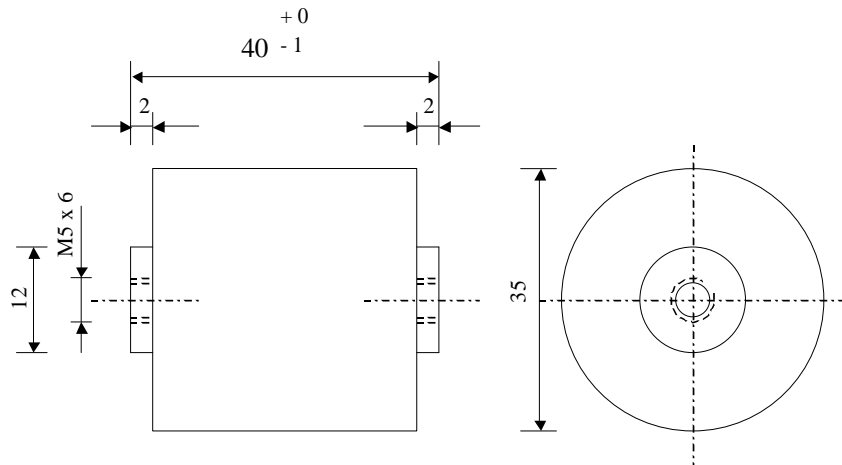


#5541

Power Electronics Capacitors

PPM 100-4.0 dv K



Dielectric of metallized polypropylene - Polyester wrapped

Epoxy resin end sealing - Threaded outputs

Parameter	Symbol		Value	Unit	Condition
Capacitance	C		4	$\mu\text{F}$	1 V / 1 kHz
Tolerance			$\pm 10$	%	
Rated voltage	Un DC		1000	VDC	
Rated voltage	Un RMS		300	Veff	50 Hz
RMS Current max	I <sub>eff</sub>		10	A	10 to 100 kHz
slope of voltage variation	du/dt max.		100	V/ $\mu\text{sec}$	max. repetitive
Repetitive surge current	I <sub>cr. max</sub>		400	A	
Tangente delta dielectric	tg $\delta_o$		2	$10^{-4}$	1 to 100 kHz
Serie resistance	RS		$\leq 10$	m $\Omega$	
Stray inductance	ESL		$\leq 15$	nH	
Thermal resistance	R <sub>th</sub>		15.5	$^{\circ}\text{C}/\text{W}$	Hot spot - terminals
Insulation resistance	R <sub>i</sub> x C		$> 30'000$	s	500 VDC - 1 min
Test voltage between terminals	U <sub>T1</sub>		2000	VDC	10 s
Climatic category (IEC68)			40/85/56		
Estimated operational life (-3%)			200'000	h	Un DC - 70 $^{\circ}\text{C}$

Dimension	Symbol		Value	Unit	Conditions
Diameter	$\varnothing D$		35	mm	
Height	H		36	mm	
Terminals					
Thread			M5 x 6	mm	
	D1		12	mm	
	M1				
	M0				
	Modification	Date	Visa émetteur		

Condensateurs CH 1401 Yverdon-les-Bains  
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**Le lanché**  
**Capacitors**  
A FISCHER & TAUSSIG COMPANY

HJJ

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