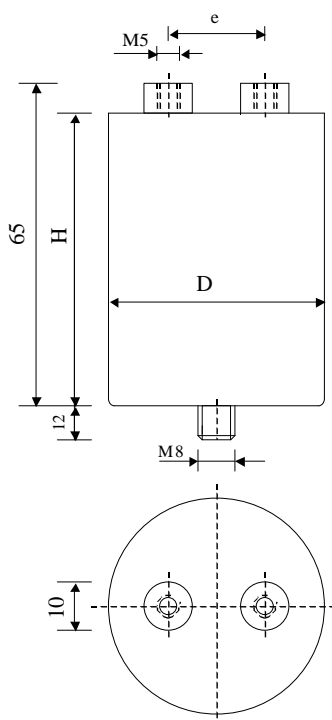


6121

Capacitor for power electronics

TYPE
KPS 100-1.0 cv6 KDielectric
Metallized polypropylene
and film/foil

Threaded outputs

Epoxy resin end sealing

Aluminium case

Paramètre	Symbol	Value	Unit	Condition
Capacitance	C	1	μF	20°C, 1 kHz
Tolérance		10	%	
Rated voltage	Un DC	1'000	VDC	
Rated voltage	Un AC	400	VAC	50 / 60 Hz
RMS Current	I _{eff} max.	20	A _{eff}	f > 10 kHz
Slope of voltage variation	du/dt max.	400	V/ μs	max. repetitive
Repetitive surge current	I cr. max	400	A	max. repetitive
Tangent delta	tg δ	< 3.5 E-4		1 V / 1 kHz
Equivalent serie resistance	ESR	≤ 6.4	m Ω	1 V - 10 kHz
Stray inductance	ESL	≤ 40	nH	
Insulation resistance	Ri	> 10'000	M Ω	500 VDC - 1 min
Test voltage between terminals	U T1	1'800	VDC	10 s.
Climatic category		25/70/56		
Estimated operational life (-3 %)		100'000	h	Un DC / 70°C
Dimension	Symbole		Unité	Conditions
Diameter	D	45	mm	
Height	H	60		
Terminals				
Thread		M5 x 8	mm	
Thread spacing	e	22 \pm 0.5	mm	
fixing stud		M8 x 12	mm	
	M2			
	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

Lecdanché
Capacitors
A FISCHER & TALSCHER COMPANY

HJJ

23.08.2012

faisab6121.XLS