



POWER ELECTRONICS CAPACITORS

24/07/2016

CML8B002AMJ5C

RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	200	μF
Capacitance tolerance		±5	%
Rated AC voltage	Urms	330	Vac
Rated DC voltage	Udc	600	Vdc
Non recurrent peak voltage	Us	1400	Vdc
Rated RMS current	Irms	70	A
Maximum dV/dt	dV/dt	20	V/μs
Repetitive peak current(max. peak current \hat{i} -EN 61071)	Ipkr	4	kA
Non repetitive peak current(max. surge current \hat{i}_s -EN 61071)	Ipkn	12	kA
Equivalent series resistance	ESR(typ)	<3	mΩ
Tangent of the loss angle tanδ (1kHz) (typ)	tgδ(typ)	0,002	-
Tangent of the loss angle tanδ (1kHz) (max)	tgδ(max)	0,003	-
Self inductance	Ls	200	nH

TEST DATA

A.C. Test voltage between terminals (50Hz, 3s EN 61071)	Utt	500	Vac
A.C. Test voltage between terminals and case(50Hz,3s)	Utc	3600	Vac

ENVIRONMENTAL CHARACTERISTICS

Maximum operating temperature	t°	85	°C
Lowest operating temperature	t°	-40	°C

RELAIBILITY

Max. expected number failures for 10 ⁹ components hours	FIT	300	
Expected life	Ln	100000	hours

MECHANICAL CHARACTERISTICS

Dimensions	DXH	75X210	mm
Overpressure device(anti-explosion system)			
Case material		Aluminium	
Fixing	Stud M12	16	mm
Plastic plate	UL-94 V0 , low smoke		
Approx weight		1200	gr
Terminals	Screw M10	20	mm
Maximum drawing torque		10	N/m



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