



POWER ELECTRONICS CAPACITORS

05/03/2017

CML30308C1B1X

RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	3	μF
Capacitance tolerance		±5	%
Rated RMS voltage	Urms	720	Vac
Rated AC voltage	Un	1015	Vac
Rated frequency	F	50/60	Hz
Max. rms current	Irms	10	A
Maximum dV/dt	dV/dt	80	V/μs
Repetitive peak current(max. peak current \hat{i} -EN 61071)	Ipkr	240	A
Non repetitive peak current(max. surge current \hat{i}_s -EN 61071)	Ipkn	720	A
Tangent of the loss angle $\tan\delta$ (1kHz) (typ)	tgδ(typ)	0,0008	-
Equivalent series resistance	ESR(typ)	12	mΩ

TEST DATA

A.C. Test voltage between terminals ($\geq 1,5$ Urms, 3s)	Utt	1200	Vac
A.C. Test voltage between terminals and case(3s)	Utc	3500	Vac

ENVIRONMENTAL CHARACTERISTICS

Max. permissible Hot spot temperature	85	°C
Lowest operating temperature	-40	°C

RELIABILITY

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

MECHANICAL CHARACTERISTICS

Dimensions	DXH	35X72	mm
Case material		Aluminium	
Fixing	Stud M8	L=10	mm
Plastic plate(cover)	Self extinguishing V0	UL94	
Approx weight		100	gr
Terminals		Double faston -	6,3X0,8

