



POWER ELECTRONICS CAPACITORS

24/02/2015

CML33307A1G3X

RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	33	μF
Capacitance tolerance		±5	%
Rated AC voltage	U _N	640	
Max. rms current	I _{rms}	18	A
Maximum dV/dt	dV/dt	25	V/μs
Repetitive peak current(max. peak current \hat{i} -EN 61071)	\hat{I}	825	A
Non repetitive peak current(max. surge current \hat{i}_s -EN 61071)	\hat{I}_s	1526	A
Tangent of the loss angle tanδ (1kHz) (typ)	tgδ(typ)	0,0020	-
Tangent of the loss angle tanδ (1kHz) (max)	tgδ(max)	0,0030	-

TEST DATA

A.C. Test voltage between terminals ($\geq 1,5$ Urms, 10s)	U _{tt}	1000	Vac
A.C. Test voltage between terminals and case(60s)	U _{tc}	3000	Vac

ENVIRONMENTAL CHARACTERISTICS

Min. permissible ambient temperature	t°amb	-25	°C
Max. permissible ambient temperature	t°amb	85	°C

RELIABILITY

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

MECHANICAL CHARACTERISTICS

Overpressure safety device			
Dimensions	DXH	60X140	mm
Case material		Aluminium	
Metal plate(cover)			
Fixing	Stud M12	L=12,5	mm
Approx weight		400	gr
Terminals		Double faston	



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