



## POWER ELECTRONICS CAPACITORS

07/09/2016

### CML3A002A1H2X

#### RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	100	μF
Capacitance tolerance		±5	%
Rated AC voltage	Urms	330	Vac
Rated frequency	F	50/60	Hz
Rated rms. current(at 330Vac and 50Hz)	Irmsn	10,36	A
Rated rms. current(at 330Vac and 60Hz)	Irmsn	12,43	A
Max. rms current	Irms	16	A
Maximum dV/dt	dV/dt	15	V/μs
Repetitive peak current(max. peak current $\hat{i}$ -EN 61071)	Ipkr	1500	A
Non repetitive peak current(max. surge current $\hat{i}_s$ -EN 61071)	Ipkn	2775	A
Tangent of the loss angle $\tan\delta$ (1kHz) (typ)	tgδ(typ)	0,0030	-
Tangent of the loss angle $\tan\delta$ (1kHz) (max)	tgδ(max)	0,0040	-

#### TEST DATA

A.C. Test voltage between terminals ( $\geq 1,5$ Urms, 3s)	Utt	600	Vac
A.C. Test voltage between terminals and case(3s)	Utc	3600	Vac

#### ENVIRONMENTAL CHARACTERISTICS

Min. permissible ambient temperature	t°amb	-40	°C
Max. permissible ambient temperature	t°amb	85	°C

#### RELIABILITY

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

#### MECHANICAL CHARACTERISTICS

Overpressure safety device			
Dimensions	DXH	65X105	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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