



## POWER ELECTRONICS CAPACITORS

29/09/2016

### CML34502C1D2X

#### RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	45	μF
Capacitance tolerance		±5	%
Rated AC voltage	Urms	370	Vac
Rated frequency	F	50/60	Hz
Max. rms current	Irms	14	A
Maximum dV/dt	dV/dt	13	V/μs
Repetitive peak current(max. peak current $\hat{i}$ -EN 61071)	I <sub>pk</sub> r	585	A
Tangent of the loss angle tanδ (1kHz) (max)	tgδ(max)	0,0030	-

#### TEST DATA

A.C. Test voltage between terminals ( $\geq 1,5$ Urms, 3s)	U <sub>tt</sub>	500	Vac
A.C. Test voltage between terminals and case(3s)	U <sub>tc</sub>	2500	Vac

#### ENVIRONMENTAL CHARACTERISTICS

Max. permissible case temperature	t°amb	70	°C
Min. permissible case temperature	t°amb	-25	°C

#### RELIABILITY

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

#### MECHANICAL CHARACTERISTICS

Dimensions	DXH	45X97	mm
Case material		Aluminium	
Fixing	Stud M8	L=10	mm
Plastic plate(cover)	Self extinguishing V0	UL94	
Approx weight		200	gr
Terminals		Double faston(6,3X0,8)	



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