



**POWER ELECTRONICS CAPACITORS**  
**CML1B001AMJ3Y**  
**RATING, GENERAL CHARACTERISTICS**

**12/05/2009**

**Ed.1:02/06/2014**

**Ed.2:25/09/2014**

Rated capacitance	Cn	200	μF
Capacitance tolerance		±5	%
Rated AC voltage (rms)	Urms	250	Vac
Rated DC voltage	Udc	400	Vdc
Recurrent peak voltage	UN	600	V
Non recurrent peak voltage	Us	875	Vdc
Rated RMS current	Irms	35	A
Maximum dV/dt	dV/dt	20	V/μs
Repetitive peak current(max. peak current $\hat{i}$ -EN 61071)	Ipkr	4000	A
Non repetitive peak current(max. surge current $\hat{i}_s$ -EN 61071)	Ipkn	7500	A
Equivalent series resistance	ESR(typ)	4	mΩ
Tangent of the loss angle tanδ (1kHz) (typ)	tgδ(typ)	0,0030	-
Tangent of the loss angle tanδ (1kHz) (max)	tgδ(max)	0,0040	-
Self inductance	Ls	≤180	nH

**TEST DATA**

A.C. Test voltage between terminals (50Hz, 3s)	Utt	500	Vac
A.C. Test voltage between terminals and case(3s)	Utc	3500	Vac

**ENVIRONMENTAL CHARACTERISTICS**

Max permissible case temperature	+85	°C
Min permissible case temperature	-40	°C

**RELIABILITY**

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

**MECHANICAL CHARACTERISTICS**

Dimensions	DXH	75X136 mm
Case material		Aluminium
Fixing	Stud M12	16 mm
Plastic plate	UL-94 V0 , low smoke	
Approx weight		750 gr
Terminals	Screw M10	22 mm
Maximum drawing torque		10 N/m



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