



POWER ELECTRONICS CAPACITORS
CML1B002AMJ3Y
RATING, GENERAL CHARACTERISTICS

26/04/2016

Rated capacitance	Cn	200	μF
Capacitance tolerance		±5	%
Rated AC voltage (rms)	U _{rms}	300	V _{ac}
Rated AC voltage	U _N	420	V _{ac}
Rated RMS current	I _{rms}	35	A
Repetitive peak current(max. peak current î-EN 61071)	I _{pkr}	2000	A
Equivalent series resistance	ESR(typ)	<4	mΩ
Maximum dV/dt	dV/dt	20	V/μs
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	L _s	≤140	nH

TEST DATA

A.C. Test voltage between terminals (50Hz, 3s)	U _{tt}	640	V _{ac}
A.C. Test voltage between terminals and case(3s)	U _{tc}	3500	V _{ac}

ENVIRONMENTAL CHARACTERISTICS

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

RELIABILITY

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

MECHANICAL CHARACTERISTICS

Dimensions	DXH	75X138	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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