



POWER ELECTRONICS CAPACITORS

31/05/2016

DC LINK APPLICATIONS

CML5C40FAQK2X

RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	340	μF
Capacitance tolerance		±10	%
Rated DC voltage	Un	900	Vdc
Ripple voltage	Ur	200	V
Maximum r.m.s. current for continuous operation	Imax	60	A
Maximum dV/dt	dV/dt	15	V/μs
Repetitive peak current(max. peak current î-EN 61071)	Ipkr	5,1	kA
Non repetitive peak current(max. surge current îs-EN 61071)	Ipkn	16	kA
Equivalent series resistance	ESR(typ)	<1	mΩ
Self inductance	Ls(typ)	≤60	nH

TEST DATA

D.C. Test voltage between terminals ($\geq 1,5 U_n$, 10s)	Utt	1350	Vdc
A.C. Test voltage between terminals and case(3s)	Utc	3500	Vac

TEMPERATURE RANGE:

-40/+85_(hotspot) °C

TEMPERATURE STORAGE:

-40/ +85 °C

RELIABILITY

Max. expected number failures for 10^9 components hours	FIT	<100	
Expected life at Un	Ln	>100000	hours

MECHANICAL CHARACTERISTICS

Dimensions	DXH	85X100	mm
Case material		Aluminium	
Fixing	Stud M12	h=16	mm
Plastic plate	UL-94 V0 , low smoke		
Approx weight		800	gr
Terminals	Threaded hole	M6x10	mm
Maximum drawing torque		6	N/m



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