



POWER ELECTRONICS CAPACITORS

03/03/2017

CML12406ANG2X

RATING, GENERAL CHARACTERISTICS

Rated capacitance	Cn	24	μF
Capacitance tolerance		±5	%
Rated RMS voltage	Urms	550	Vac
Rated AC voltage	Un	775,5	Vac
Max. rms current	Irms	30	A
Maximum dV/dt	dV/dt	22	V/μs
Repetitive peak current(max. peak current \hat{i} -EN 61071)	Ipkr	500	A
Non repetitive peak current(max. surge current \hat{i}_s -EN 61071)	Ipkn	1500	A
Equivalent series resistance	ESR(typ)	5	mΩ
Tangent of the loss angle tanδ (1kHz) (typ)	tgδ(typ)	0,0010	-
Tangent of the loss angle tanδ (1kHz) (max)	tgδ(max)	0,0020	-
Self inductance	Ls	100	nH

TEST DATA

A.C. Test voltage between terminals ($\geq 1,5 U_{rms}$, 3s)	Utt	1000	Vac
A.C. Test voltage between terminals and case(3s)	Utc	3600	Vac

ENVIRONMENTAL CHARACTERISTICS

Max. permissible Hot spot temperature	85	°C
Lowest operating temperature	-40	°C

RELIABILITY

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

MECHANICAL CHARACTERISTICS

Dimensions	DXH	60X101	mm
Case material		Aluminium	
Fixing	Stud M12	L=12,5	mm
Plastic plate	UL-94 V0	, low smoke	
Approx weight		350	gr
Terminals		Screw M6	
Maximum drawing torque		4	N/m



POWER ELECTRONICS CAPACITORS

03/03/2017

CML12406ANG2X

RATING, GENERAL CHARACTERISTICS

