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T.S. N° :	1K 5445 REV.B
Date :	20061220
Signature :	SG
Approval :	DT DQ
Sheet	1 of 2

TECHNICAL SPECIFICATION

CAPACITOR FOR USE IN POWER ELECTRONIC CIRCUITS AC APPLICATIONS
Self-healing metallized dielectric capacitor, self-extinguish
plastic casing and resin filled, dry. Unprotected.

LNF-P3B-200-27

RATINGS, GENERAL CHARACTERIST.

Rated Capacitance Cn	200 μ F
Capacitance tolerance	+5-5%
Rated A.C.Voltage Urms (V)	270.0
Rated AC Voltage UN (V)	380
Rated Frequency (Hz)	50 Hz
Maximum Working Frequency	5 kHz
Rated insulation r.m.s voltage	Ui 270 V
Maximum r.m.s.current I _{max}	30 A
Peak current i	1700.0 A
Series Resistance Rs [mOhm]	3,43
Self Inductance L	134 nH
Temperat.coeff.of capacitance	- 260 ppm / °C
Thermal resist.natural cooling	5,7 °C/ W
Thermal resist.forced cooling	4,6 °C/ W

TEST DATA

AC Test Between Terminals, 10s	570 V
AC Test Between Term./case, 60s	2.500 V

ENVIRONMENTAL CHARACTERISTICS

Climatic Category:	T min = - 25 °C	T max = + 70 °C
Storage temperature:	Ts min = - 40 °C	Ts max = + 85 °C

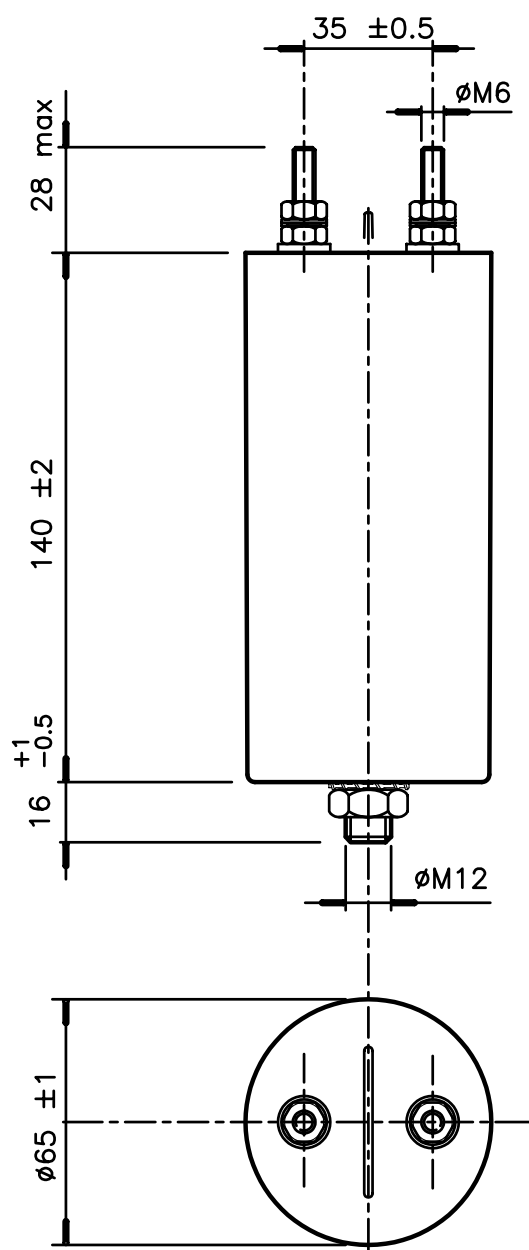
RELIABILITY at MAX HOT SPOT

Max expected number failures per 10exp9 components hours	500 fit
Expected life (Ln)	100.000 h at 60°C hot spot

MECHANICAL CHARACTERISTICS

Case dimensions :	D 065 H 140.0 mm
Fixing:	Stud M 12 x 16 mm
Maximum torque (fixing)	10 Nm
Case Material :	Self-extinguish plastic
Terminals :	Screw M6
Maximum torque :	4 Nm
Approx weight :	500 g
Creepage distance:	32.5 mm
Clearance :	22.5 mm
Reference:	IEC 61071

TECHNICAL SPECIFICATION



MODEL : LNF-P3B-200-27