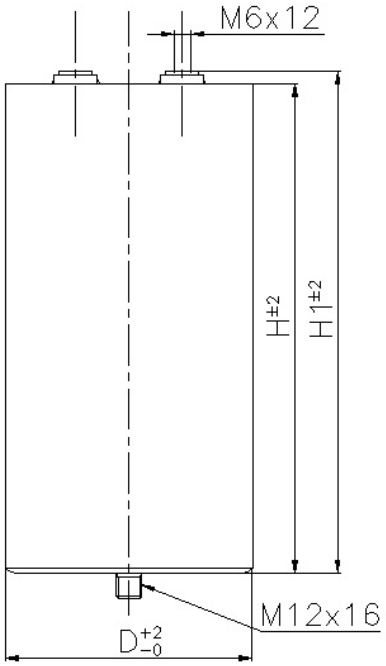
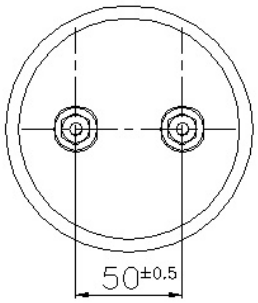
KEMET Electronics Italia S.r.l.
A Kemet Company
Via Sagittario 1/3
I - 40037 Sasso Marconi (BO) Italy
Tel. (+39) 051 939111
Fax (+39) 051 840684
www.kemet.com

DC - Link Capacitor C44U





GENERAL TECHNICAL DATA

Reference Standards : IEC 61071 , EN 61071

Dielectric : metallized polypropylene film
Winding : non-inductive type

Case : aluminum case with threaded bolt M12
Deck : thermosetting resin flame retardant UL94 V0
high current M6 female terminals

Construction : dry construction, filled by solid resin

IEC climatic category : 40/85/21 according to IEC 68-1
Operational Temperature : -40 to +85°C
Storage Temperature : -40 to +95°C

DIMENSIONS (mm)

∅ = 116	∅ max = 118	H = 270	H1 = 276	P term.= 50

TEST METHODS AND PERFORMANCES

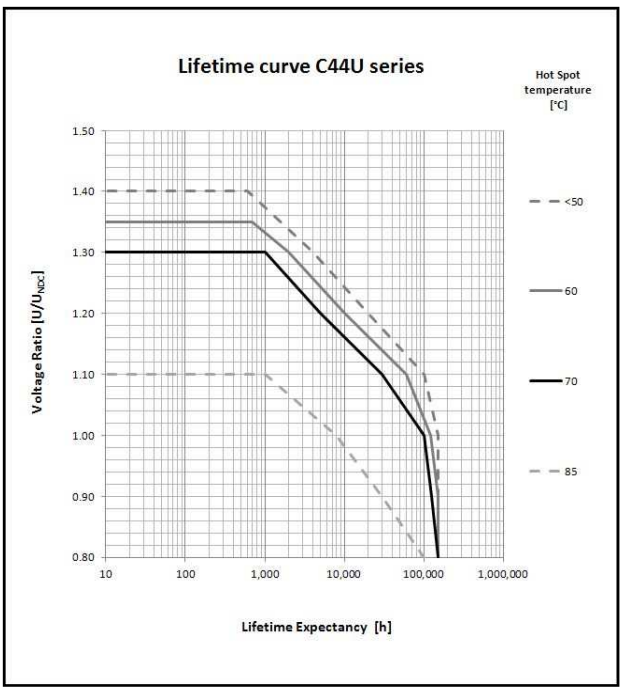
Test voltage terminal to terminal (Utt)	1.5*Un for 10 s at 25°C
Test voltage terminal to case (Utc)	3.2 kV 50Hz for 10 sec.
Life expectancy	100.000 hours @ Un and Ths = 70°C
Failure rate (IEC 61709)	$50/10^9$ components hour @ Un and Ths = 70°C
Endurance Test (IEC 61071)	500h+500h @ 1.3xUn @70°C
Capacitance deviation in temperature range (-25..+85°C)	± 1,5% max on capacitance value at 25°C
Installation	Whatever position

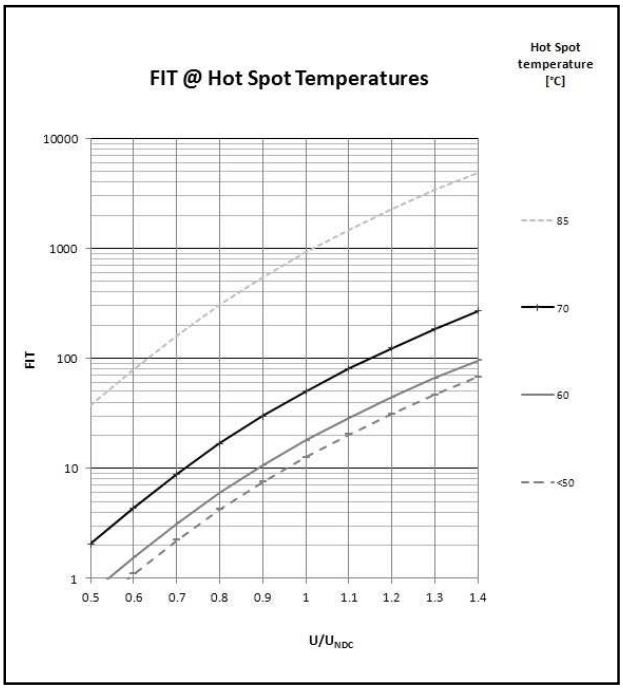
ELECTRICAL CHARACTERISTICS

Code	**C44UOGT7200G5SK**
Capacitance	2000 µF
Tolerance	±10 %
Rated Voltage	900 Vdc
Max Irms Current with natural cooling (Ths = 70°C)	**100** Arms @40°C ambient temperature and 10kHz **92** Arms @50°C ambient temperature and 10kHz **54** Arms @60°C ambient temperature and 10kHz
Thermal Resistance	1.6 °C/W
dV/dt	5 V/µs
Repetitive Peak Current	10000 Apkr
ESR	1.5 mΩ (10 kHz)
ESL	≤ 85 nH
Weight	~ 3250 gr
Number of pieces for packing unit	4

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