

Application:

**AC capacitor for general use in power electronics
also for nonsinusoidal voltages and currents**

Order code:

PAM 1500-112 dv (K)

Standards:

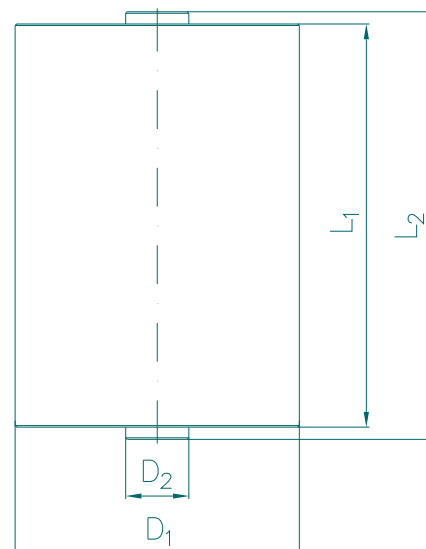
acc. to IEC 61071:2007

Characteristics

Rated capacitance
Rated d.c. voltage
Rated a.c. voltage
Max. rms voltage (sinusoidal)
Non-recurrent surge voltage
Rated energy
Maximum current
Maximum peak current
Maximum surge current
Series resistance
Tangent of the loss angle
Self discharge time const.
Self-inductance

C_N 0.012 µF ±10%
U_{N DC} - V
U_{N AC} 15000 V
U_{rms} 10600 V
u_s 22500 V
W_N 1.4 Ws
I_{max} 5 A
I_{peak} 0.58 kA
I_s 1.29 kA
R_s 42 mΩ
tanδ_o 2 x 10⁻⁴
C x R_{is} 10000 s
L_e 120 nH

outline drawing



Thermal conditions

Lowest operating temperature
Maximum operating temperature
Thermal resistance
Storage temperature

Θ_{min} -25 °C
Θ_{max} 70 °C
R_{th} 2 kW/W
Θ_{storage} -50..+85 °C

Test data

Voltage test between terminals

U_{BB} 26250 V DC/10s

failure rate

reference service life
at Θ_{hotspot}

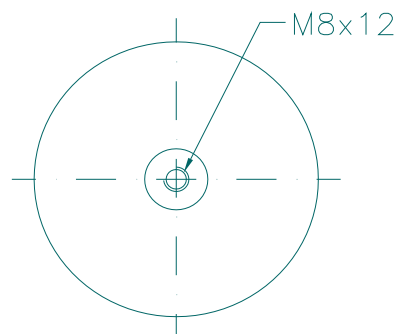
100 FIT*
100000 h
≤ 70 °C

* See FIT-RATE diagram on pg.3

Dimensions

Rated diameter
Diameter of terminals
Length of the case
Total length
Terminal
Clearance in air
Creepage distance

D₁ 64 (±1) mm
D₂ 20 (±0.5) mm
L₁ 570 (±2) mm
L₂ 578 (±2) mm
M8x12 mm
L 614 mm
K 614 mm



Approx weight

m ca. 2 kg

Mechanical characteristics

Construction
Fuse
Terminals
Impregnant
Fire load

MKP- metallized polypropylene capacitor, self-healing, plastic case, UL94:V0
without internal fuse, to be used only in uncritical environment
Screw terminals
no liquid impregnants, filled with solidified PUR resin, non PCB
80MJ

Maximum permissible voltage

(Maximum within one day)

30% of on-load duration	16500
30min	17250
5min	18000
1min	19500
100ms	22500