

Application: DC/AC capacitor for general use in power electronics
also for nonsinusoidal voltages and currents

Order code: PAM 210-047 uv4 (J)

Standards: acc. to IEC 61071:2007

Characteristics

Rated capacitance	C_N	0.47 µF ±5%
Rated a.c. voltage	U_{NAC}	2100 V a.c.
Max. rms voltage (sinusoidal)	U_{rms}	1485 V
Non-recurrent surge voltage	u_s	3150 V
Rated energy	W_N	1 Ws
Maximum current	I_{max}	15 A
Maximum peak current	i	0.2 kA
Maximum surge current	I_s	0.7 kA
Series resistance	R_s	14 mΩ
dielectric dissipation factor	tanδ_o	2 x10 ⁻⁴
Self discharge time const.	C x R_{is}	5000 s
Self-inductance	Le	15 nH

Thermal conditions

Lowest operating temperature	Θ_{min}	-25 °C
Maximum operating temperature	Θ_{max}	85 °C
Storage temperature	Θ_{storage}	-40..+85 °C
Thermal resistance	R_{th}	8.1 K/W
Humidity class		G

failure rate

reference service life	100 FIT*
at Θ _{hotspot}	100000 h
	≤70 °C

* See FIT-RATE diagram on pg.3

Test data

Voltage test between terminals	U_{TT}	4520 V DC/10s
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Dimensions

Rated diameter	D₁	35 (±1) mm
Length of the case	L₁	93 (±1) mm
Length of the terminal	L₂/L₃	15 (±1) mm
total Length	L_G	97 (±1) mm
Terminal	G	M5x15 mm
	d₂/d₃	M5
Diameter of terminals	d₄	8 mm
Clearance in air	L	120 mm
Creepage distance	K	120 mm

Approx weight

0.12 kg

Dielectric	metallized polypropylene capacitor, selfhealing
Construction	plastic case with resin moulded winding, UL94: V0
Protection	without internal fuse, to be used only in uncritical environment
Terminals	screw base, inside thread
Impregnant	no liquid impregnants, filled with solidified PUR resin,non PCB
Fire load	4.8MJ

outline drawing

