Ordering code: PAM 210-3.3 cv5 (J)

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

Standard: acc. to IEC 61071:2007

Characteristics

Rated capacitance	C_N	3.3	µF ±5%
Rated a.c. voltage	$U_{N\,AC}$	2100	V a.c.
Max. rms voltage (sinusoidal)	U_{rms}	1500	V
Non-recurrent surge voltage	u_s	4515	V
Rated energy	W_N	7.3	Ws
Maximum current	I_{max}	60	A
Maximum peak current	$\hat{I}$	1.7	kA
Maximum surge current	I_s	5	kA
Series resistance	R_s	2.8	mΩ
dielectric dissipation factor	$\tan\delta_0$	2	$x10^{-4}$
insulation strength	$C \times R_{is}$	5000	s
Self inductance	L_e	160	nH

thermal characteristics

Lowest operating temperature	Θ_{min}	-25	°C
Maximum operating temperature	Θ_{max}	85	°C
storing temperature	$\Theta_{storage}$	-40..+85	°C
thermal resistance	R_{th}	2.4	K/W

test parameters

test voltage between terminals	U_{TT}	4520	V DC/10s
A.C. voltage test terminal/container	U_{TC}	5200	V AC/10s

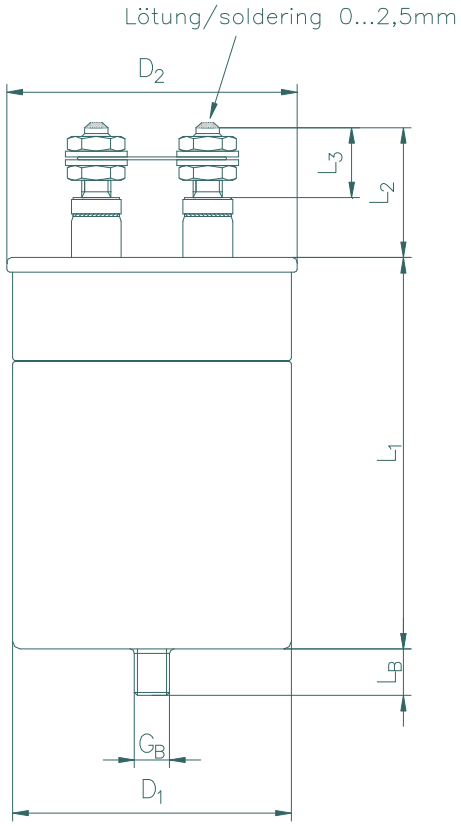
failure rate 100 FIT*

reference service life 100000 h

at $\Theta_{hotspot}$ ≤70 °C

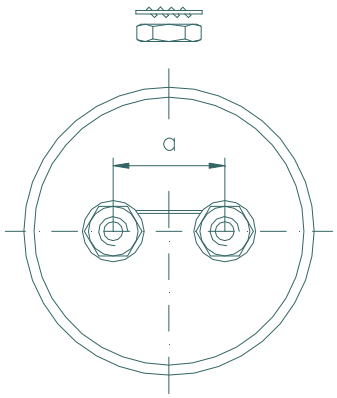
* See FIT-RATE diagram on pg.4

outline drawing



Dimensions

Rated diameter	D_1	75	(±1)	mm
Maximum diameter	D_2	79	(±0.5)	mm
Length of the case	L_1	245	(±2)	mm
Length of the terminals	L_2	47	(±2)	mm
Length of the terminals	L_3	24	(±1)	mm
distance terminals	**a**	38	(±1)	mm
Terminal		M10 x20		mm
base mounting stud	$G_B x L_B$	M12x16	(+1)	mm
Clearance in air	**L**	17		mm
Creepage distance	**K**	20		mm



Approx weight 1.1 kg

Mechanical characteristics

Dielectric	metallized polypropylene capacitor, selfhealing
Construction	aluminium can, flanged copper (folded edge)
Protection	overpressure disconnector
Terminals	Screw terminals on ceramic insulators M10
Impregnant	liquid impregnants, no PCB
Fire load	44MJ

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