

**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 $\mu\text{F} \pm 5\%$
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 m $\Omega$
dielectric dissipation factor	$\tan\delta_o$	$2 \times 10^{-4}$
insulation strength	$C \times R_{is}$	5000 s
Self inductance	$L_e$	160 nH

### thermal characteristics

Lowest operating temperature	$\Theta_{min}$	-25 °C
Maximum operating temperature	$\Theta_{max}$	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

reference service life		100 FIT*
at $\Theta_{hotspot}$		100000 h
		$\leq 70$ °C

\* See FIT-RATE diagram on pg.4

### Dimensions

Rated diameter	$D_1$	75 ( $\pm 1$ )	mm
Maximum diameter	$D_2$	79 ( $\pm 0.5$ )	mm
Length of the case	$L_1$	245 ( $\pm 2$ )	mm
Length of the terminals	$L_2$	47 ( $\pm 2$ )	mm
Length of the terminals	$L_3$	24 ( $\pm 1$ )	mm
distance terminals	$a$	38 ( $\pm 1$ )	mm
Terminal		M10 x20 mm	
base mounting stud	$G_B \times L_B$	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 disconnecter
Terminals	Screw terminals on ceramic insulators M10
Impregnant	liquid impregnants, no PCB
Fire load	44MJ

### outline drawing

