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Technical data

Leclanché Capacitors part number : PPM 100-390.0 cv5 (K)

Nominal capacitance	C_N	390	$\mu\text{F} \pm 10\%$
Nominal voltage dc	U_{NDC}	1000	V
Surge voltage	U_S	1500	V
Energy	W_N	195	Ws
Max. AC current @ $T_{\text{case}}=30^\circ\text{C}/10\text{ kHz}$	I_{RMS}	80	A
Max. Peak periodic current	$\hat{I}_{\text{Periodic}}$	4900	A
Max. Pulse rise time	$\Delta U/\Delta t$	12,6	V/ μs
Dissipation factor @ 1 kHz	$\tan\delta$	140	$\times 10^{-4}$
Series resistance @ 10 kHz	R_{ESR}	<6,2	m Ω

Dimensions

Diameter	\varnothing	90	$\pm 0,5\text{ mm}$
Length	L	145	$+2-1\text{ mm}$
Pitch1	RM1	35	$\pm 0,4\text{ mm}$

Max. Power loss @ $\vartheta_{\text{hotspot}} 85^\circ\text{C}$ / nat. convection / 10kHz

@ ϑ_{case}	I	P _{max}
40 °C	71 A	26,6 W
50 °C	62 A	20,7 W
60 °C	53 A	14,8 W
70 °C	41 A	8,9 W

U_N -Derating

@ ϑ_{case}	$U_{N\text{max}}$
70 °C	$U_N \times 1$
75 °C	$U_N \times 0,9$
80 °C	$U_N \times 0,8$
85 °C	$U_N \times 0,7$

Min. Operating temperature	ϑ_{min}	-40 °C
Max. Operating temperature ($I_R=0$)	ϑ_{max}	+85 °C
Storage temperature	ϑ_{Lager}	+85 °C
Thermal resistance (case hotspot)	R_{th}	1,9 K/W
Climatic category DIN IEC 68/1		40/085/21

Test voltage between terminals	U_{TT}	1500 V dc / 2s
Test voltage between terminal/case	U_{TC}	4000 V ac / 10s

Life expectancy @ hot spot 60°C 100 000 h

General data

Coating	alu can with resin sealing
Dielectric	Flame retardant according to UL 94V-0 polypropylene
Terminals	brass nickel plated, max. torque 4 Nm-
Weight	approx. 1,2 kg

RoHS compliant

