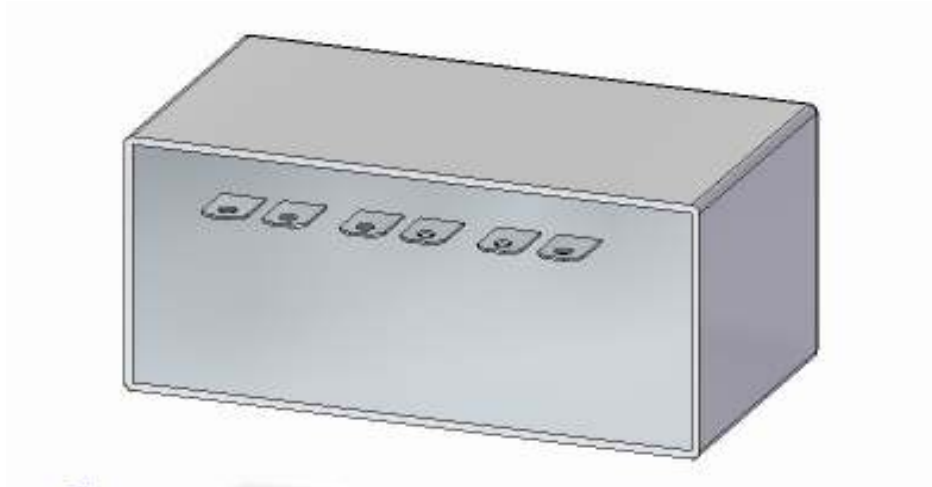


DATA SHEET



Customer

Customer part number
 Electrical specification
 Mechanical drawing

Multiples

Kemet

Kemet part number
 Description
 Circuital application

C4EEOMX7100AASK
MKP Film capacitor 1000 µF @ 900Vdc

Standards

IEC 61071:2007 and VDE 0560 part 120/121

Electrical characteristics

C_N	µF	1000	
Tolerance	± %	10	
I_{rms}	A	100	70 % of lifetime, 85°C
I_{rms}	A	170	29 % of lifetime, 85°C
I_{rms}	A	40	1% of lifetime, 105°C
I_{rms}	A	260	< 1% , Start up condition, 55°C
U_N	V	900	
U_{peak}	V	1000	
I_{peak}	kA	12	
$(dv/dt)_{max}$	V/µsec	12	
$(dv/dt)_{surge}$	V/µsec	19	
R_{ins}	MΩ	> 100	in any condition
Ls	nH	< 35	
$tg\delta_0$	* 10E-3	0,2	
U_{iso}	V	1000	

Thermal characteristics

T _{amb}	°C	-40 +105	
T _{sto}	°C	-55 +105	
Cold Plate	°C	-40 + 85	
Cooling:	Capacitor placed on a cooler set at max 85°C. The cooler has to be able to absorb at least 12 W.		

Life expectancy

L _{op}	hours	≥ 50 000	@ 85°C , Un = 750 Vdc (with C _{min} = 800 µF) following the duty cycle in current (avg HS temperature ≤ 95°C)
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Test Conditions

Voltage Test Between Terminals:	1200 Vdc / 60 sec
Voltage Test Terminal-Case	2500 Vac / 1 min

Mounting & Terminations

Terminals	6 x copper plate 1 x 16 x 22.5 with Ø 6.5mm; 3 (+) and 3 (-) with M6x15		
Creepage distance T-T	mm	> 5 @ CTI ≥ 600	
Creepage distance T-C	mm	> 10 @ CTI ≥ 600	
Mounting	Necessary having the lower surface placed on cooler		

Construction

Dielectric	Metalized polypropylene, self-healing		
Winding	Non inductive		
Filling	Filled with solid PU polyurethane resin		
Case construction	PBT according to V0 UL94		
Mounting position	Bottom surface placed on the cooler		

Approximate weight	Kg	3
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Mechanical layout According to drawing in page 3

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Edition

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