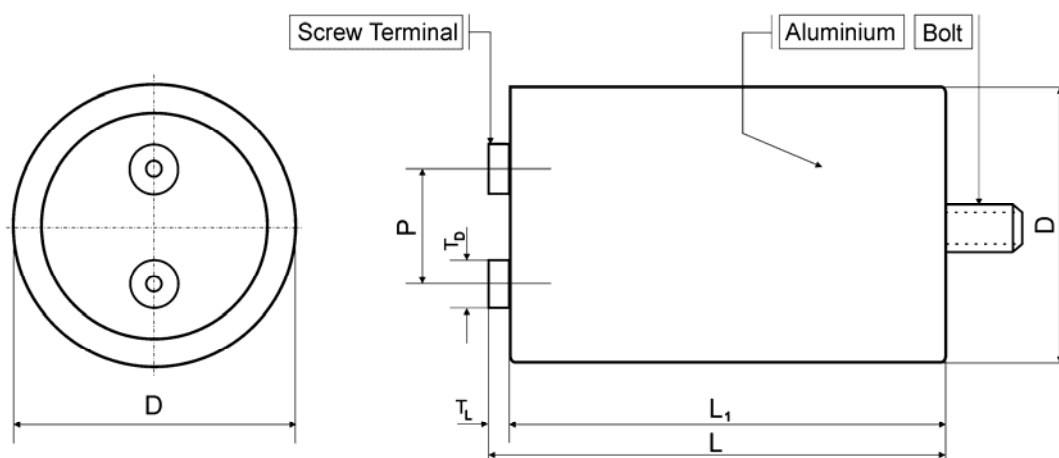


FILM CAPACITOR SPECIFICATION

AIC EUROPE
Sales Organization of
Hitachi AIC

I.) Product Code: **MLC1100V681BK116155M6**



II.) Dimensions

Diameter	$D = 116 \text{ mm} \pm 0.5 \text{ mm}$
Length	$L = 160 \text{ mm} \pm 1 \text{ mm}$
Length	$L_1 = 155 \text{ mm} \pm 2 \text{ mm}$
Terminal ; Pitch P	M6x10 ; $P = 50.0 \text{ mm}$
Terminal Diameter and Length	$T_D = 13.0 \text{ mm}$; $T_L = 5.0 \text{ mm}$
Creepage Distance	37 mm
Mounting	Stud Bolt M12x16

III.) Specification

Item	Value	Condition
Capacitance C	680 μF	+/- 10%
Rated Voltage V_r	1 100 VDC	at 70°C
Surge Voltage	1 650 VDC	50ms, max. 1000 cycle
Rated Energy	411 Ws	
Temperature Range	-40°C ~ +85°C	Operation ($0.7 \cdot V_r$ at 85°C)
Temperature Range	-40°C ~ +85°C	Storage
Dissipation Factor $\tan \delta$	$2 \cdot 10^{-4}$	at 1kHz
Max. Ripple Current I_r	70.0 ARMS	at 70°C / >5kHz / convection
Max. Ripple Current $I_{r,40}$	105.0 ARMS	at 40°C / >5kHz / convection
ESR (max)	0.6 m Ω	at 10kHz
ESL (typ)	40 nH	> 5kHz
Voltage between Terminals	1 650 VDC	10s
Voltage betw. Terminal/Case	3 000 VAC	10s
Dielectric	Polypropylene	metallized
Coating and/or Cap	Resin sealing	UL 94-V0 listed
Case Material	Aluminium	
Materials	RoHS	conform

Date	08.05.2009	AIC EUROPE	Page: 1 / 1
Revision			
Issued by	C. Nolte		MLC1100V681BK116155M6