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FTCAP GmbH Data sheet



Drawing No. : Preliminary ...1024407-53567
 created from : 06/05/2013 16:34:00

Part Number : Cuboid Cap CC502050163535

	<p>l : 35 mm B : 16 mm H : 35 mm a : 10 mm</p> <p>Terminals : Wire 0,8mm</p>	<p>Sealing Laser welded Al with Teflon gaskets</p>
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Electrical Parameter

Rated Capacitance (C_R) @ 100 Hz / 20 °C	5000 μ F	
Tolerance	± 20 %	
Rated Voltage (U_R)	50 V	
Surge Voltage (U_S) max. 5 x 1 min / h	58 V	
Reverse Voltage (U_U) max. 1 s	2 V	
Leakage Current (I_L) @ U_R / 5 min / 20 °C	1500 μ A	
ESR typ. @ 100 Hz / 20°C	31 m Ω	TBD in Measurement
Tan δ typ. @ 100 Hz / 20°C	10 %	TBD in Measurement
Z max. @ 10 kHz / 20°C	25 m Ω	TBD in Measurement
ESL typ.	20 nH	
Rated Ripple Current (I_R) @ 100 Hz / 85 °C	5 A	TBD in Measurement
Shock / Vibration Resistance		Shocks (50 g, pulse 11 ms, 18 shocks) / Vibration (10 to 500 Hz, 20g, 10 cycles)
Useful life @ I_R , U_R , 85 °C	10000 h	
IEC Climatic category / Standards	55/085/56	IEC 60384-4

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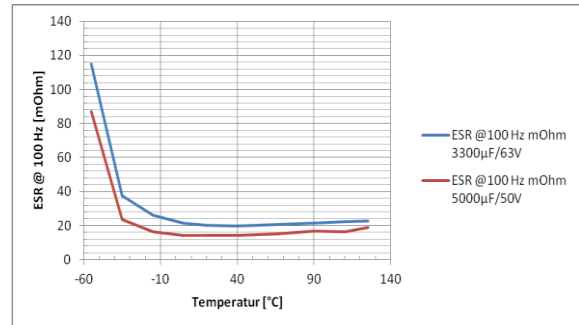
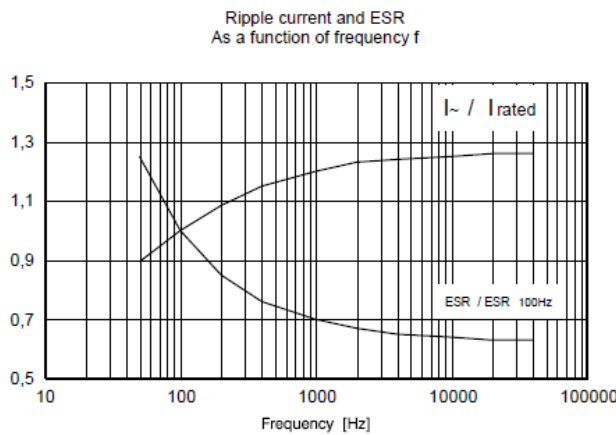
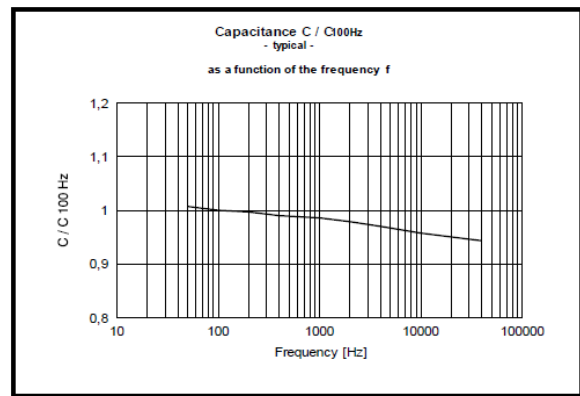
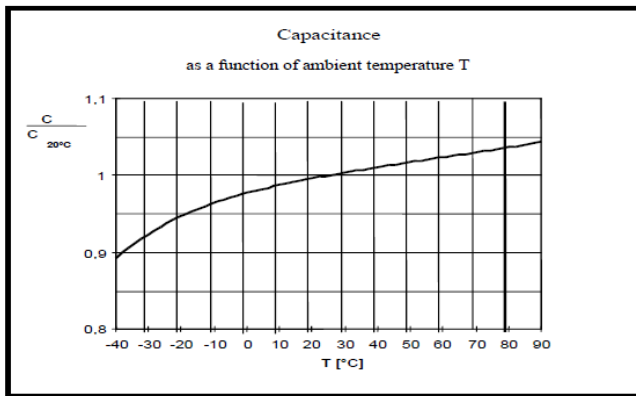
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Applications	Military	
Your article No. / Project		
MTBF	2 x 10 ⁸ h	



Capacitor to be labelled as follows:

	Al Electrolytic Capacitor Made in Germany
	1024407
	5000µF ± 20% 50V
	55/085/56 >Date Code<

