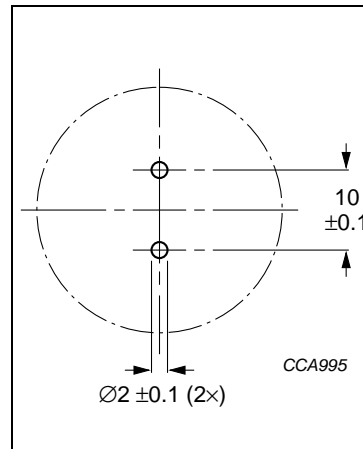
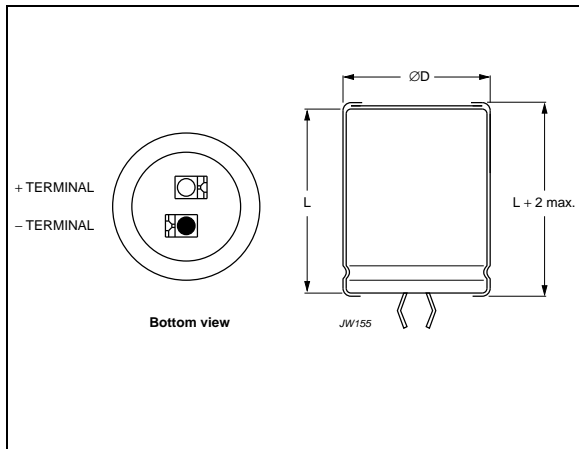


**Aluminum Capacitor: 390 μ F/500 V
193 PUR-SI series 35x45 mm/105 °C**

MAL219390103E3

Customer:

Cust. Partnr.:



MECHANICAL DATA

FORM: 2 terminal Snap-In, 5.3 ± 0.5 mm

PACKING QUANTITY: 50 units / box

$\varnothing D_{nom} \times L_{nom}$: 35 x 45 mm

Lead (Pb) free

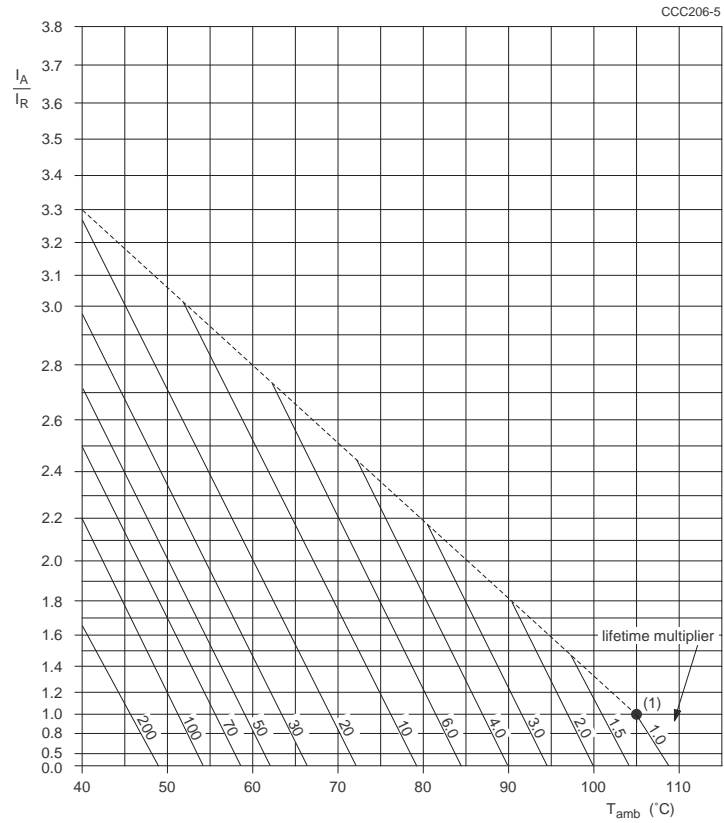
$\varnothing D_{max} \times L_{max}$: 36 x 47 mm

Can insulated with a blue PVC-sleeve

ELECTRICAL DATA (at 20 °C, unless otherwise specified)

Rated capacitance, C_R at 100 Hz	390 μ F
Tolerance on C_R	-20/+20 %
Rated voltage, U_R	500 V
Rated temperature range	-25 °C to + 50 °C
Category voltage U_C	450 V
Category temperature range	- 25 °C to + 105 °C
Rated ripple current at 100 Hz, 105 °C	2.50 A
Useful life at U_C , 105 °C, I_R applied	> 6,000 h
Useful life at $U_a = 400V$; 105 °C, I_R applied	> 10,000 h
Useful life at U_R , 50°C, no ripple applied	> 5,000 h
Max. ESR at 100 Hz	500 m Ω
Max. impedance at 10 kHz	350 m Ω
Max. leakage current after 1 minute U_C	1.1 mA

RIPPLE CURRENT AND USEFUL LIFE



I_A = actual ripple current at 100 Hz
 I_R = rated ripple current at 100 Hz and 105 °C

⁽¹⁾ Useful life at U_C , 105 °C and I_R applied: > 6000 h

MULTIPLIER OF RIPPLE CURRENT (I_R) AS A FUNCTION OF FREQUENCY	
FREQUENCY (Hz)	I_R MULTIPLIER
50	0.8
100	1.0
200	1.2
400	1.5
1000	1.7
≥ 10000	1.9



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