



**CUSTOMER:**

**CUSTOMER PN:**

**GPN:** E74D6R3LPN313MA48N

**DRAWING NO.:** 693982

**ELECTRICAL CRITERIA**

CAPACITANCE (120Hz/25°C): 31000  $\mu$ F  
 CAPACITANCE TOLERANCE:  $\pm$  20 %  
 RATED V<sub>DC</sub>: 6.3 V  
 SURGE V<sub>DC</sub> (30 sec): 8 V  
 MAX. ESR (120Hz/25°C): 13 m $\Omega$   
 MAX. ESR (20-40kHz/25°C): 9 m $\Omega$   
 MAX. I<sub>RMS</sub> (120Hz/85°C): 10.1 A  
 MAX. I<sub>RMS</sub> (20-40kHz/85°C): 11.1 A  
 MAX. DCL (V<sub>DC</sub>/5:00/25°C): 1.768 mA

**MECHANICAL CRITERIA**

MAX. VIBRATION: 10-55Hz 10g  
 TERMINAL THREAD: 10-32  
 THREAD DEPTH: 5.6 mm  
 MAX. TERMINAL TORQUE: 2 Nm  
 TYP. WEIGHT: 54 grams

**OPERATING CRITERIA**

MAX. TEMPERATURE: +105 °C  
 MIN. TEMPERATURE: -55 °C  
 LOAD LIFE (V<sub>DC</sub>/105°C): 2000 Hrs  
 MAX.  $\Delta$  CAP. (measured value):  $\pm$  20 %  
 MAX. ESR (specified value):  $\leq$  150 %  
 MAX. DCL (V<sub>DC</sub>/5:00/25°C): 1.768 mA  
 SHELF LIFE (85°C): 1000 Hrs  
 MAX.  $\Delta$  CAP. (measured value):  $\pm$  15 %  
 MAX. ESR (specified value):  $\leq$  130 %  
 MAX. DCL (V<sub>DC</sub>/5:00/25°C): 3.536 mA

**IRMS FREQUENCY MULTIPLIERS**

120Hz	400Hz	1kHz	5k-100kHz
0.90	0.95	0.98	1.00

**IRMS AMBIENT MULTIPLIERS**

25°C	45°C	65°C	85°C	105°C
2.00	1.70	1.40	1.00	0.50

**SPECIAL**

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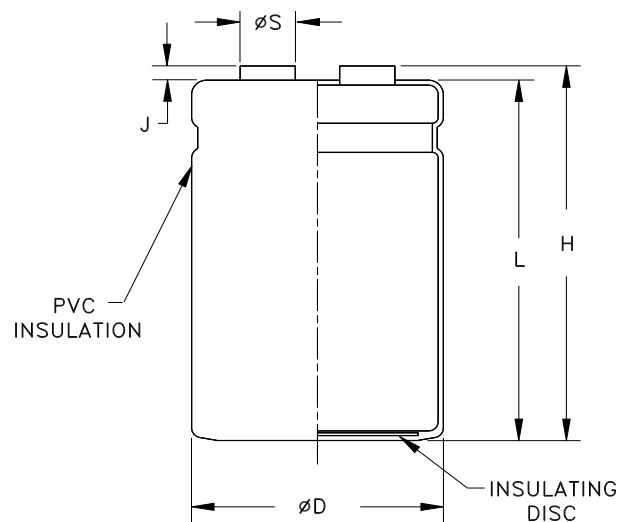
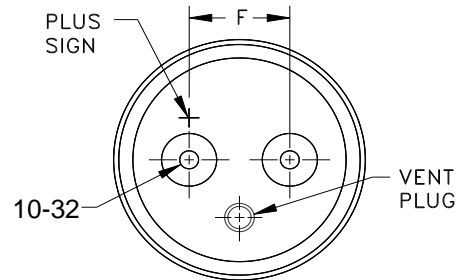
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**DIMENSIONAL CRITERIA**

	mm	X	in
$\varnothing$ D	1.375	- 0.040	+ 0.040
L	1.875	- 0.080	+ 0.080
H	1.938	- 0.080	+ 0.080
F	0.500	- 0.016	+ 0.016
J	0.063	- 0.040	+ 0.040
$\varnothing$ S	0.313	- 0.010	+ 0.010

**MARKING**

747D 105°C  
 31000uF 6.3V  
 Date Code  
 + positive



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 AUTHOR: TMASH  
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