



**CUSTOMER:**  
**CUSTOMER PN:**  
**UCC GPN:** E81D201VQT392MB80T  
**DRAWING NO.:** 946961

**ELECTRICAL CRITERIA**

CAPACITANCE (120Hz/20°C): 3900  $\mu$ F  
 CAP.TOLERANCE:  $\pm 20$  %  
 RATED VDC 200 V  
 SURGE VDC (30 sec): 250 V  
 MAX. ESR (120Hz/20°C): 38.5 m $\Omega$   
 MAX. IRMS (120Hz/105°C): 10.06 A  
 MAX. DCL (V<sub>DC</sub>/5:00/20°C): 3.533 mA

**MECHANICAL CRITERIA**

MAX. VIBRATION: 10-55Hz 10g  
 TYP. WEIGHT: 142 grams

**OPERATING CRITERIA**

MAX. TEMPERATURE: +105 °C  
 MIN. TEMPERATURE: -40 °C  
 LOAD LIFE (V<sub>DC</sub>+I<sub>RMS</sub>/105°C): 2000 Hrs  
 MAX.  $\Delta$  CAP. (measured value):  $\pm 20$  %  
 MAX. ESR (specified value): +200 %  
 MAX. DCL (V<sub>DC</sub>/5:00/20°C): 3.533 mA  
 SHELF LIFE (105°C): 1000 Hrs  
 MAX.  $\Delta$  CAP. (measured value):  $\pm 20$  %  
 MAX. ESR (specified value): +150 %  
 MAX. DCL (V<sub>DC</sub>/5:00/20°C): 3.533 mA

**IRMS FREQUENCY MULTIPLIERS**

V <sub>DC</sub>	50Hz	120Hz	300Hz	1kHz	10kHz	100kHz
6.3-50	0.95	1.00	1.03	1.05	1.08	1.08
63-100	0.92	1.00	1.07	1.12	1.19	1.20
160-250	0.81	1.00	1.17	1.32	1.45	1.50
315-450	0.77	1.00	1.16	1.30	1.41	1.43

**IRMS AMBIENT MULTIPLIERS**

45°C	60°C	70°C	85°C	105°C
2.64	2.23	2.12	1.73	1.00

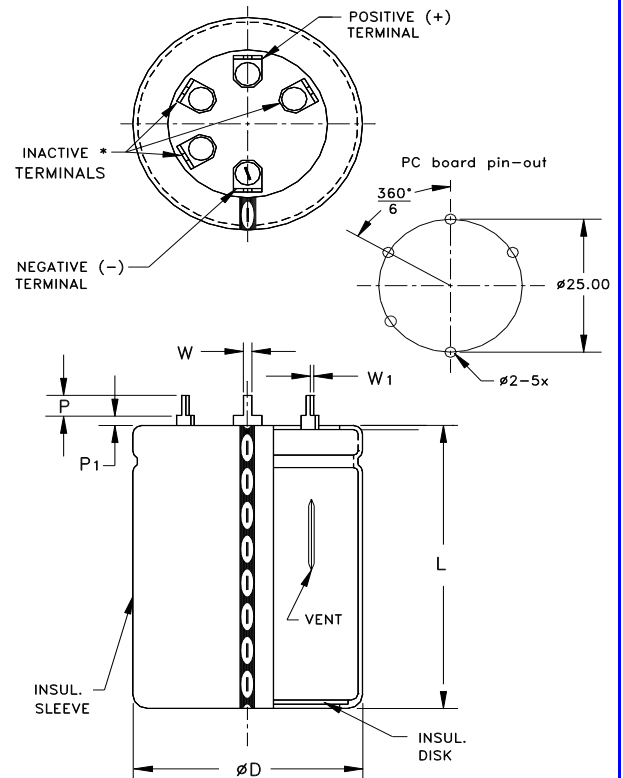
**COMMENTS**

RoHS Compliant

DIMENSIONAL CRITERIA			
	X	mm	in
$\varnothing$ D	40.0	- NA	+ 1.0
L	80.0	- 2.0	+ 2.0
P	3.75	- 1.0	+ 1.0
P <sub>1</sub>	2.00	- NA	+ 0.0
W	1.50	- 0.1	+ 0.1
W <sub>1</sub>	0.7	- 0.2	+ 0.2

**MARKING**

81DA 105°C  
 3900uF(M) 200V  
 Date Code



\* Inactive terminals for mechanical support only.

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 AUTHOR: TMASH  
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