

CUSTOMER:

CUSTOMER PN:

GPN: E81D251VQT102MB35W

CONTROL PN: 501145

ELECTRICAL CRITERIA

CAPACITANCE (120Hz/20°C):	1000 μ F
CAP. TOLERANCE:	$\pm 20 \%$
RATED VDC	250 V
SURGE VDC (30 sec):	300 V
MAX. ESR (120Hz/20°C):	127 m Ω
TYP. ESR (120Hz/20°C):	119 m Ω
MAX. IRMS (120Hz/105°C):	2.2 A
MAX. DCL (V _{DC} /5:00/20°C):	2.000 mA

MECHANICAL CRITERIA

MAX. VIBRATION:	10-55Hz 10g
TYP. WEIGHT:	68 grams

OPERATING CRITERIA

MAX. TEMPERATURE:	+105 °C
MIN. TEMPERATURE:	-40 °C
LOAD LIFE (V _{DC} +I _{RMS} /105°C):	2000 Hrs
MAX. Δ CAP. (measured value):	$\pm 20 \%$
MAX. ESR (specified value):	+200 %
MAX. DCL (V _{DC} /5:00/20°C):	2.000 mA
SHELF LIFE (105°C):	1000 Hrs
MAX. Δ CAP. (measured value):	$\pm 20 \%$
MAX. ESR (specified value):	+150 %
MAX. DCL (V _{DC} /5:00/20°C):	2.000 mA

IRMS FREQUENCY MULTIPLIERS

V _{DC}	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
315-500	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

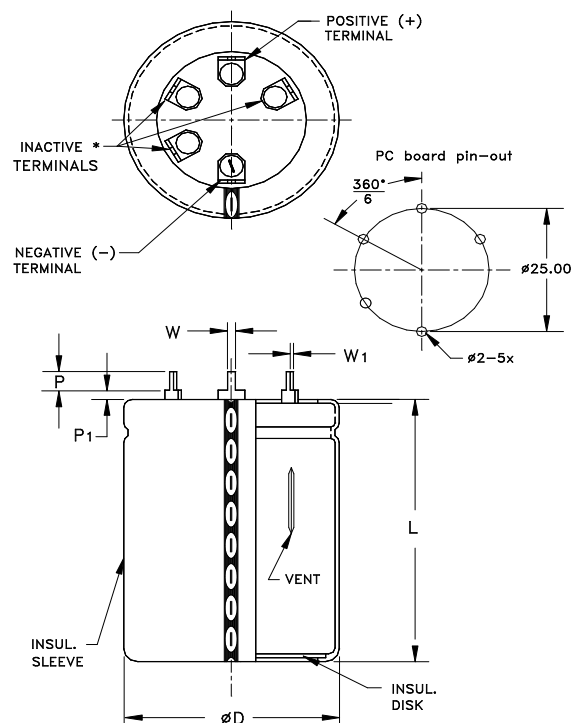
RoHS Compliant

DIMENSIONAL CRITERIA

	X	mm	in
ØD	40.0	- 0.0	+ 1.0
L	35.0	- 2.0	+ 2.0
P	3.75	- 1.0	+ 1.0
P ₁	1.00	- 0.8	+ 0.8
W	1.50	- 0.1	+ 0.1
W ₁	0.7	- 0.2	+ 0.2

MARKING

81DA 105°C
1000uF(M) 250V
Date Code



* Inactive terminals for mechanical support only.

TDS NO.: TDS-11-0290
AUTHOR: LMI
DATE: 19-JULY-2011