



UNITED CHEMI-CON TECHNICAL DATA SHEET

CUSTOMER:

CUSTOMER PN:

GPN: E32D800HLN682MA79U

DRAWING NO.: 025165

ELECTRICAL CRITERIA

CAPACITANCE (120Hz/25°C): 6800 μ F
 CAPACITANCE TOLERANCE: ± 20 %
 RATED V_{DC} 80 V
 SURGE V_{DC} (30 sec): 100 V
 MAX. ESR (120Hz/25°C): 23 m Ω
 MAX. I_{RMS} (120Hz/105°C): 5.0 A
 MAX. DCL (V_{DC}/5:00/25°C): 5.000 mA

MECHANICAL CRITERIA

MAX. VIBRATION: 10-55Hz 10 g
 TERMINAL THREAD M5
 THREAD DEPTH 9.5 mm
 MAX. TERMINAL TORQUE: 2.8 Nm

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): ± 20 %
 MAX. ESR (specified value): ≤ 200 %
 MAX. DCL (V_{DC}/5:00/25°C): 5.000 mA
 SHELF LIFE (105°C): 500 Hrs
 MAX. Δ CAP. (measured value): ± 20 %
 MAX. ESR (specified value): ≤ 200 %
 MAX. DCL (V_{DC}/5:00/25°C): 5.000 mA

IRMS FREQUENCY MULTIPLIERS

V _{DC}	50Hz	120Hz	300Hz	1kHz	10kHz	50kHz
6.3-50	0.95	1.00	1.03	1.05	1.09	1.12
63-80	0.90	1.00	1.06	1.10	1.18	1.22
100-250	0.80	1.00	1.12	1.22	1.30	1.33
315-500	0.80	1.00	1.19	1.34	1.46	1.52

IRMS AMBIENT MULTIPLIERS

55°C	65°C	75°C	85°C	105°C
2.65	2.45	2.00	1.73	1.00

COMMENTS

RoHS Compliant

DIMENSIONAL CRITERIA

	X	mm	in
ϕ D	35.0	- 0.00	+ 1.00
L	79.0	- 0.00	+ 2.00
H	85.4	- 2.00	+ 2.00
F	12.7	- 0.50	+ 0.50
J	6.4	- 1.00	+ 1.00
ϕ S	8.0	- 0.25	+ 0.25
ϕ T	11.1	- 0.25	+ 0.25

MARKING

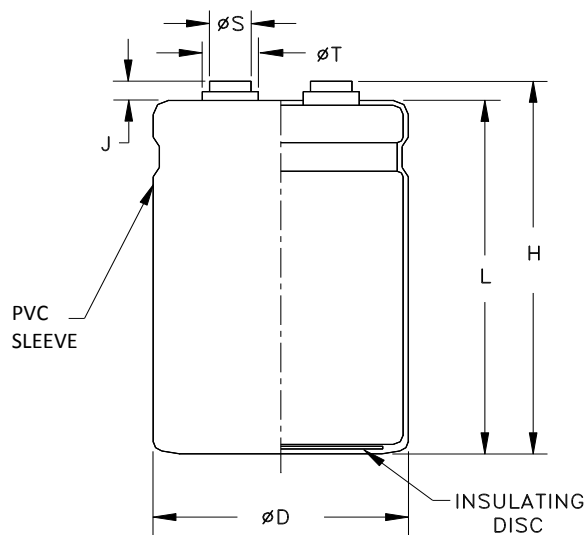
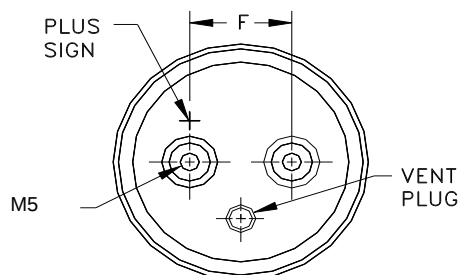


U32D 105°C

80V 6800uF

Date Code

+ positive



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