



UNITED CHEMI-CON TECHNICAL DATA SHEET

CUSTOMER:

CUSTOMER PN:

GPN:

E32D251CDS103MEE3M

DRAWING NO.:

568460

ELECTRICAL CRITERIA

CAPACITANCE (120Hz/25°C):	10000 μ F
CAPACITANCE TOLERANCE:	± 20 %
RATED V _{dc}	250 V
SURGE V _{dc} (30 sec):	300 V
MAX. ESR (120Hz/25°C):	18.2 m Ω
MAX. I _{rms} (120Hz/105°C):	17.0 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	8.5 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

Dielectric strength of insulation ≥ 2000 volts

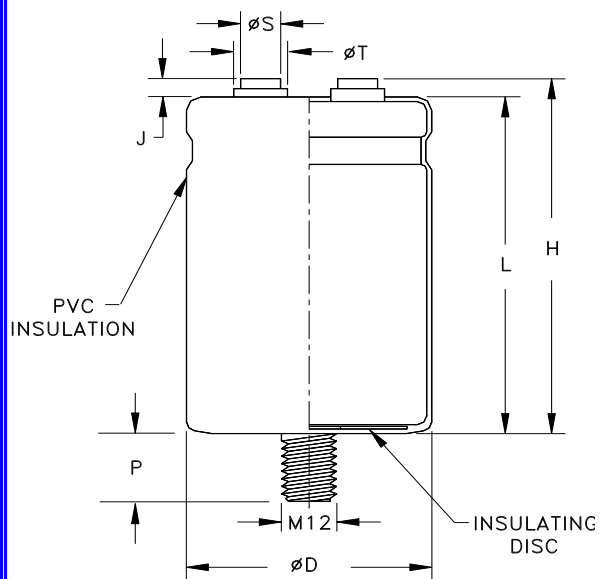
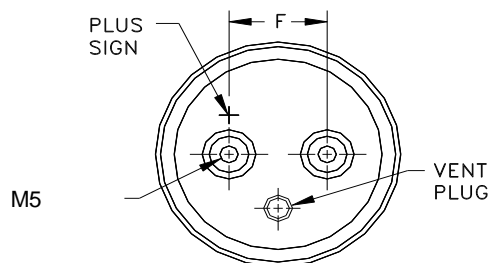
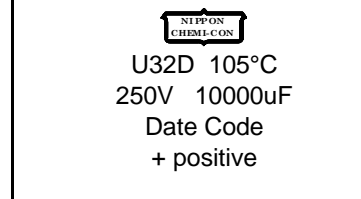
Insulation resistance ≥ 100 megohms

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DIMENSIONAL CRITERIA

	X	mm	in
ϕ D	76.2	- 2.00	+ 2.00
L	143.0	- 1.00	+ 1.00
H	147.0	- 1.00	+ 2.50
F	31.8	- 0.25	+ 0.25
J	5.0	- 0.50	+ 0.50
ϕ S	13.0	- 0.25	+ 0.25
ϕ T	17.5	- 0.25	+ 0.25
P	16.0	- 1.00	+ 1.00

MARKING



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