



TECHNICAL DATA SHEET

CUSTOMER:

PN: 36D251F200AA2A

DRAWING NO.: 728395

ELECTRICAL CRITERIA

CAPACITANCE (120Hz/25°C): 250 μ F
CAPACITANCE TOLERANCE: -10 + 50 %
RATED Vdc 200 V
SURGE Vdc (30 sec): 250 V
MAX. ESR (120Hz/25°C): 472 m Ω
MAX. IRMS (120Hz/85°C): 1.4 A
MAX. DCL (Vdc/5:00/25°C): 0.894 mA

MECHANICAL CRITERIA

MAX. VIBRATION: 10-55Hz 10 g
TERMINAL THREAD 10-32
THREAD DEPTH 5.6 mm
MAX. TERMINAL TORQUE: 20 Nm
TYP. WEIGHT: 63 grams

OPERATING CRITERIA

MAX. TEMPERATURE: +85 °C
MIN. TEMPERATURE: -40 °C
LOAD LIFE (Vdc/85°C): 2000 Hrs
MAX. Δ CAP. (measured value): $\leq$ 15 %
MAX. ESR (specified value): $\leq$ 150 %
MAX. DCL (Vdc/5:00/25°C): 0.894 mA
SHELF LIFE (85°C): 500 Hrs
MAX. Δ CAP. (measured value): $\leq$ 15 %
MAX. ESR (specified value): $\leq$ 120 %
MAX. DCL (Vdc/5:00/25°C): 1.788 mA

IRMS FREQUENCY MULTIPLIERS

VDC	120Hz	400Hz	>1kHz
0-50	1.00	1.05	1.10
51-100	1.00	1.10	1.15
150-300	1.00	1.15	1.25
301-450	1.00	1.20	1.30

IRMS AMBIENT MULTIPLIERS

55°C	65°C	75°C	85°C
2.0	1.7	1.4	1.00

SPECIAL

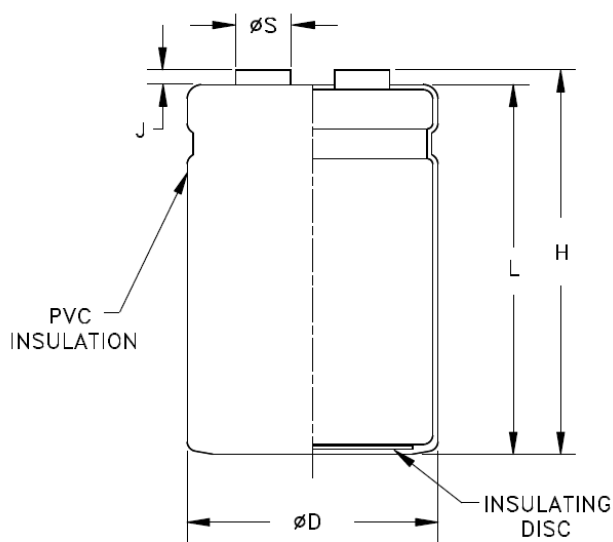
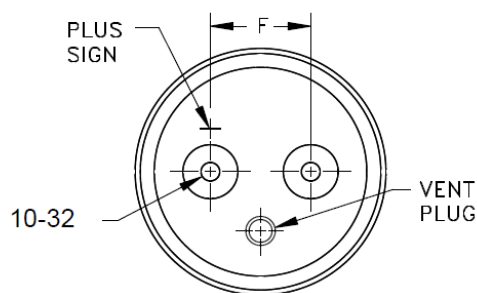
RoHS Compliant

DIMENSIONAL CRITERIA

	mm	X	in
ϕ D	1.375	- 0.000	+ 0.040
L	2.125	- 0.000	+ 0.080
H	2.228	- 0.080	+ 0.080
F	0.500	- 0.016	+ 0.016
J	0.063	- 0.032	+ 0.032
ϕ S	0.313	- 0.010	+ 0.010

MARKING

SPRAGUE
POWERLYTIC®
36D 85°C
250 μ F 200V
Date Code
+ positive



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