



UNITED CHEMI-CON TECHNICAL DATA SHEET

CUSTOMER: STUDER
CUSTOMER PN:
GPN: E33F800FPB183QC92U
DRAWING NO.: 042875

ELECTRICAL CRITERIA

CAPACITANCE (120Hz/25°C): 18000 μ F
 CAPACITANCE TOLERANCE: -10 + 30 %
 RATED V_{DC}: 80 V
 SURGE V_{DC} (30 sec): 100 V
 MAX. ESR (120Hz/25°C): 22 m Ω
 MAX. I_{RMS} (120Hz/105°C): 14.0 A
 MAX. DCL (V_{DC}/5:00/25°C): 4.320 mA

MECHANICAL CRITERIA

MAX. VIBRATION: 10-55Hz 10 g
 TERMINAL THREAD: M5
 THREAD DEPTH: 5.6 mm
 MAX. TERMINAL TORQUE: 2 Nm

OPERATING CRITERIA

MAX. TEMPERATURE: +105 °C
 MIN. TEMPERATURE: -40 °C
 LOAD LIFE (V_{DC}+I_{RMS}/105°C): 5000 Hrs
 MAX. Δ CAP. (measured value): \pm 20 %
 MAX. ESR (specified value): \leq 200 %
 MAX. DCL (V_{DC}/5:00/25°C): 4.320 mA
 SHELF LIFE (105°C): 500 Hrs
 MAX. Δ CAP. (measured value): \pm 20 %
 MAX. ESR (specified value): \leq 200 %
 MAX. DCL (V_{DC}/5:00/25°C): 4.320 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 - Mounting bracket hardware & terminal screws included

* for 95% measured distribution

Expected Life:

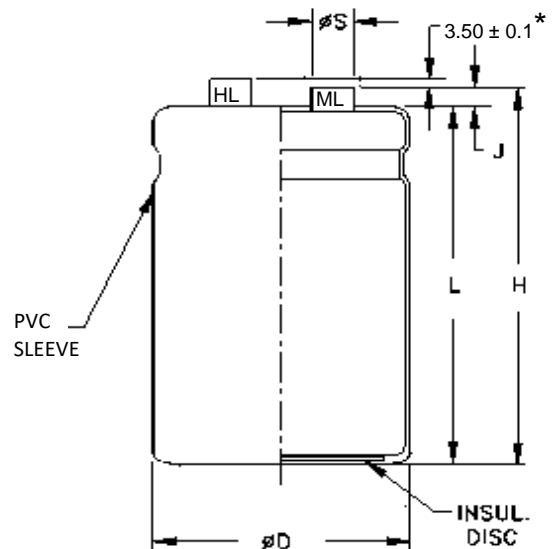
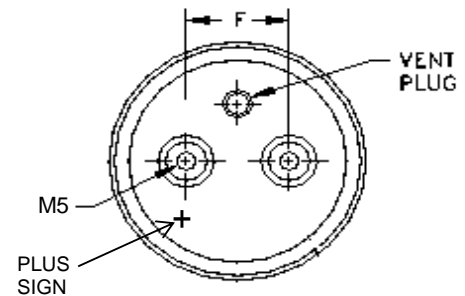
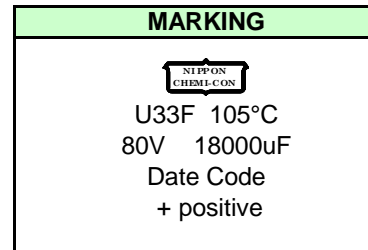
L_x(22A@10kHz/65°C/70V): \geq 72000 hrs.

MAX. Δ CAP. (measured value): \pm 30%

MAX. ESR (specified value): \leq 300%

MAX. DCL (V_{DC}/5:00/25°C): 5.000 mA

DIMENSIONAL CRITERIA			
	X	mm	in
\varnothing D	50.8	- 0.00	+ 1.00
L	92.0	- 0.00	+ 2.00
H	93.6	- 2.00	+ 2.00
F	22.2	- 0.50	+ 0.50
J	1.6	- 0.50	+ 0.50
\varnothing S	8.0	- 0.25	+ 0.25



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