UNITED CHEMI-CON

TECHNICAL DATA SHEET

CUSTOMER: DIGIKEY
CUSTOMER PN:
UCC PN: E36D101LPN223TDB7M
UCC MAXCIM NO.: 93258

ELECTRICAL CRITERIA

CAPACITANCE (120Hz/25°C):	22000	µF
CAPACITANCE TOLERANCE:	-10/+50	%
RATED V_{DC}	100	V
SURGE V_{DC} (30 sec):	125	V
MAX. ESR (120Hz/25°C):	10	mΩ
TYP. ESR (120Hz/25°C):	8	mΩ
MAX. I_{RMS} (120Hz/85°C):	14.0	A
MAX. DCL (V_{DC}/5:00/25°C):	5.000	mA

MECHANICAL CRITERIA

MAX. VIBRATION:	10-55Hz 10	g
TERMINAL THREAD	10-32	
THREAD DEPTH	5.6	mm
MAX. TERMINAL TORQUE:	2	Nm
TYP. WEIGHT:	562	grams

OPERATING CRITERIA

MAX. TEMPERATURE:	+85	°C
MIN. TEMPERATURE:	-40	°C
LOAD LIFE (V_{DC}+I_{RMS}/85°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 (85°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

I_{RMS} FREQUENCY MULTIPLIERS

50Hz	120Hz	300Hz	1kHz	3kHz
0.80	1.00	1.10	1.30	1.40

I_{RMS} AMBIENT MULTIPLIERS

55°C	65°C	75°C	85°C
2.39	2.22	1.67	1.00

COMMENTS
RoHS compliant

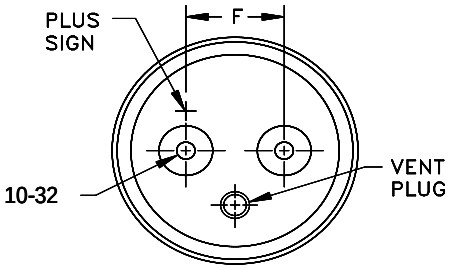
ISSUE: 5 DATE: 08/20/08

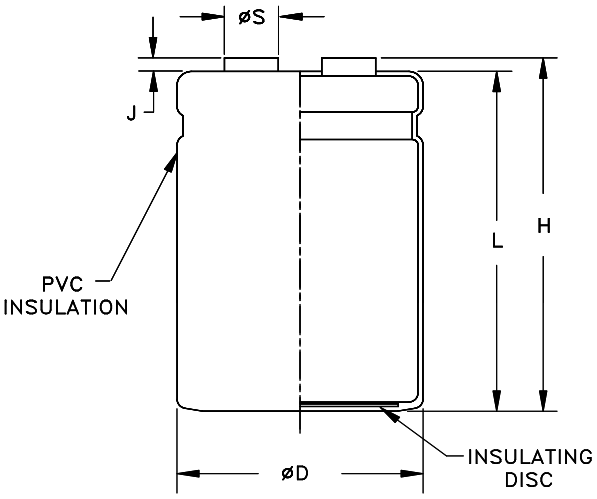
DIMENSIONAL CRITERIA

	X mm		in
∅D	63.5	- 0.00	+ 2.00
L	117.0	- 1.00	+ 1.00
H	118.6	- 2.00	+ 2.00
F	28.6	- 0.25	+ 0.25
J	1.6	- 0.50	+ 0.50
∅S	8.0	- 0.25	+ 0.25

MARKING

NIPPON CHEMI-CON
U36D 85°C
100V 22000uF
Date Code
+ positive





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