20-3989 A

REV	DESCRIPTION	DATE
A2	CHANGED PER ECO HPT US1705001 & US1705002	09/25/2017
A1	CHANGED PER ECN 14-016	09/19/2014
A0	RELEASE TO PRODUCTION	04/11/2013

SAFETY

SAFETY STANDARDS COMPLIANCE:
UL8750
UL1310

LVD EN61347-2-13
EMI STANDARDS:
FCC 47 CFR PART 15 CLASS B
CE EN55015, EN61547
EN61000-4-2,3,4,5,6,8,11

SAFETY CERTIFICATIONS
UL E326521
cUL E326521
IP66 IPT20110076
CB SCHEME
DE2-015235
DE2-015256
EMC DIRECTIVE
HA110096-CE
FCC HA110096-FD

INPUT

INPUT RANGE:
100 – 277 VAC ±10%, 0.8 A @ FULL LOAD.

FREQUENCY: 47 – 63 Hz.
POWER FACTOR: 0.97
EFFICIENCY: 82 % Typ.
LEAKAGE CURRENT:
< 0.25mA @ 115VAC
< 0.5mA @ 230VAC
PEAK INRUSH:
35 AMPS @ 115V AC
70 AMPS @ 230V AC
Surge Immunity: 4KVac

OUTPUT

LOAD CAPACITY: 48 WATTS

OUTPUT	MIN	MAX	LOAD REG	MAX. RIP
1400mA	12 VOLTS	26.4 VOLTS	±5%	5%

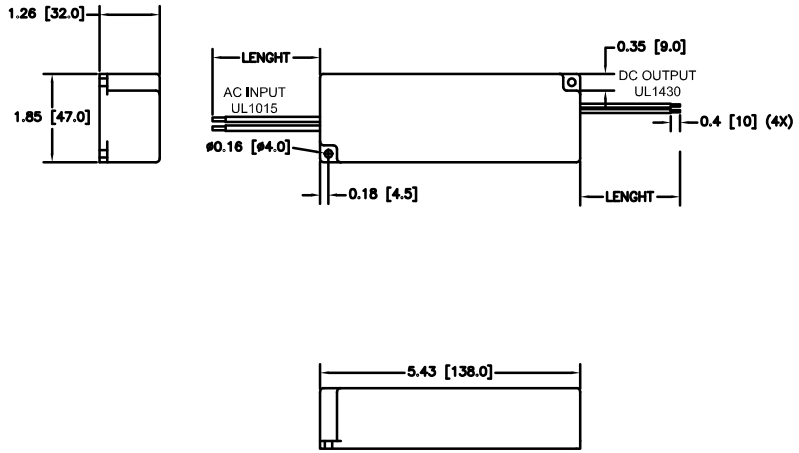
MISCELLANEOUS

COOLING: CONVECTION
NOISE LEVEL: 0 dB
PROTECTION:
OCP,SCP,OVP,OTP
AUTO-RECOVERY

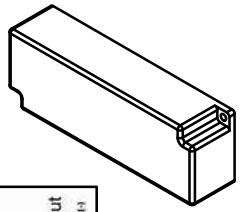
RELIABILITY (MTBF): (MIL-HDBK-217E)
50,000 HRS. @ 50 DEG. C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -30 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95%

CONNECTOR:



CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	---	BLACK	LINE	18	6.0 [152]
	---	WHITE	NEUTRAL	18	+0.5 [+13]
DC OUT	---	RED	+V	18	-0.0 [-0]
	---	BLACK	GND	18	



*** 5 yrs warr provided tc point remains below 85°C
*** AC Step dimming: T1:100%, T2:65%, T3:35%, T4:15%
(timing 1.5 Sec between steps)
*** Add label to carton box per document 77-0122.

MANUFACTURED BY: HIGH PERFECTION TECHNOLOGY CO., LTD.

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES [MM]
TOLERANCES:
.X DECIMALS± .05 [1.3]
.XX DECIMALS± .02 [0.5]
.XXX DECIMALS± .005 [0.13]
ANGLES± 1°
FRACTIONS± 1/16
DO NOT SCALE THIS DRAWING
INTERPRET DRAWING PER ANSI Y14.5M

QC:

MAGTECH

TITLE: LF1048-24-C1400-1631, CN-0193, 1400mA, 12~26V, STEP DIMM, 5Y

APPROVAL DATE: 04/18/2013
EFFECTIVE DATE: 04/11/2013
MODEL NO. LF1048-24-C1400
DWG NO. M20-3989
REV. A2
SH 1 OF 1

203989A2M1.DWG

FORM PF-0004