20-3977 A

REVISIONS		
REV	DESCRIPTION	DATE
A1	CHANGED PER ECO HPT US1705001 & US1705002	09/22/2017
A0	CHANGED PER ECN 14-016	09/19/2014

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, 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: 53 WATTS

OUTPUT	MIN	MAX	LOAD REG	MAX. RIP
1.2A	26 VOLTS	42 VOLTS	±5%	5%

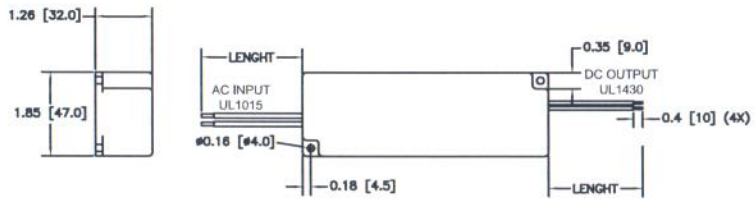
MISCELLANEOUS

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

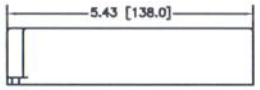
RELIABILITY (MTBF): (MIL-HDBK-217E)
50,000 HRS. @ 50 DEG. C @ FULL LOAD

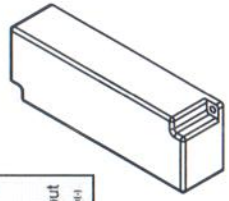
ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -30 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95%

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	





HS HIGH PERFECTION TECH.
Isolated Class 2 output www.highperfection.com.tw
MODEL: LF1048-42-C1200 RoHS Dry and damp use only
AC INPUT: 100-277VAC / 0.8A, 47-63Hz, PF: 0.97 IP66
DC OUTPUT: 1200mA / 26~42Vdc (Con. Current)
MAX. 53 WATTS
P/N: 20-3977 REV.: A
S/N: 1104876592
MADE IN TAIWAN
AC Input N - White L - Black
DC Output Red(+) Black(-)
E326521

*** 5 yrs warr provided tc point remains below 85°C
*** 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: LF1048-42-C1200, CN-0193, 1.2A, 26~42V, 5YRS

APPROVAL DATE: 10/18/2012
EFFECTIVE DATE: 10/11/2012
MODEL NO. LF1048-42-C1200
DWG NO. M20-3977
REV. A1
SH 1 OF 1

203977A1M1.DWG

FORM PF-0004