

20-4534 A

REVISIONS		
REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	10/14/2015

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 cUL E357847
CE LVD A001E121227005S
EMC A001E121227005E
FCC A001E130624018E

SAFETY

INPUT RANGE:
110-277 VAC, 230-90mA
@ FULL LOAD.

FREQUENCY: 60 Hz.
EFFICIENCY: 87 % Typ.
PEAK INRUSH:
39 AMPS @ 110V AC
42 AMPS @ 230V AC

DIMMING:
AC Phase - Trailing edge only

POWER FACTOR: 0.97
LEAKAGE CURRENT:
< 0.01mA @120VAC
Surge Immunity: 2.5K Vac

INPUT

STANDARD LOAD RANGE:				
OUTPUT	MIN	MAX	LOAD REG	MAX. RIP
500mA	10V	18V	±5%	2.4%

OUTPUT

COOLING: CONVECTION
NOISE LEVEL: <24 dB (Doc A001E130422009K)

PROTECTION:
OCP,SCP,OVP
AUTO-RECOVERY

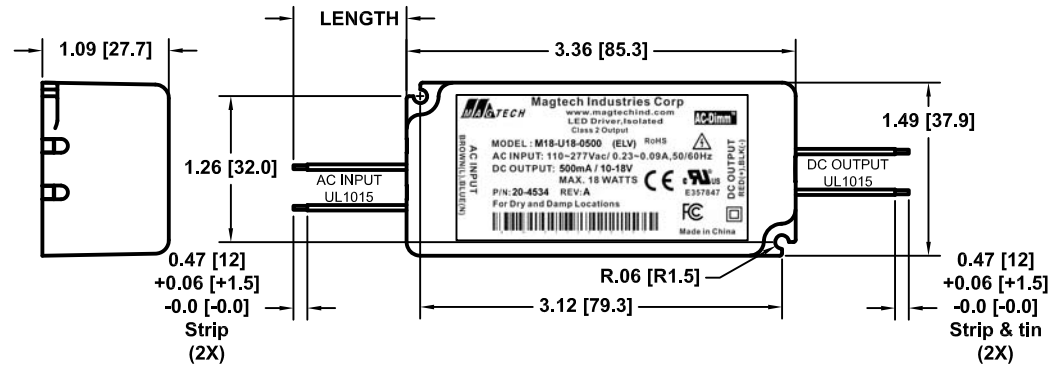
RELIABILITY (MTBF): (MIL-HDBK-217E)
100,000 HRS. @ 25 DEG. C @ FULL LOAD

MISCELLANEOUS

ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -20 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95%
LOCATION: For Dry and Damp Use Only

CONNECTOR:
N/A

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 18W



Note from Christine:
DC output will adjust to 900mA instead of 500mA to be compatible with LP1020-17-0900



CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	--	BROWN	LINE	18	6.5 [165]
	--	BLUE	NEUTRAL	18	
DC OUT	--	RED	+V	20	± 0.5 [± 13]
	--	BLACK	GND	20	

- Notes:
1.- Magtech provides 3 years warranty (standard)
2.- Bar code defined by drawing 77-0120.
3.- Transformer - Class 130 (B), Insulation system

MANUFACTURED BY: E.S.

THIS ITEM IS THE PROPERTY OF MAGTECH INDUSTRIES AND CONTAINS PROPRIETARY CONFIDENTIAL AND TRADE SECRET INFORMATION. THE INFORMATION CONTAINED HEREIN MUST NOT BE USED, DISCLOSED OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT FROM MAGTECH IND.

UNLESS OTHERWISE SPECIFIED	QC:		
DIMENSIONS IN INCHES (MM)			
TOLERANCES:		TITLE: M18-U18-0500, 110-277VAC, 500mA, 10-18V	
.X DECIMALS± .05 (1.3)			
.XX DECIMALS± .02 (0.5)			
.XXX DECIMALS± .005 (0.13)			
ANGLES± 1°		APPROVAL DATE: 10/21/2015	MODEL NO. M18-U18-0500
FRACTIONS± 1/16		EFFECTIVE DATE: 10/14/2015	DWG NO. M20-4534
DO NOT SCALE THIS DRAWING		INTERPRET DRAWING PER ANSI Y14.5M	REV. A0
			SH OF 1 1

FORM PF-0004