

REVISIONS		
REV	DESCRIPTION	DATE
B0	CHANGED PER ECN 15-022	09/28/2015
A0	RELEASE TO PRODUCTION	02/24/2015

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	24V	40V	±5%	2.4%

OUTPUT

COOLING: CONVECTION

NOISE LEVEL: <24 dB (Doc A001E130422009K)

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

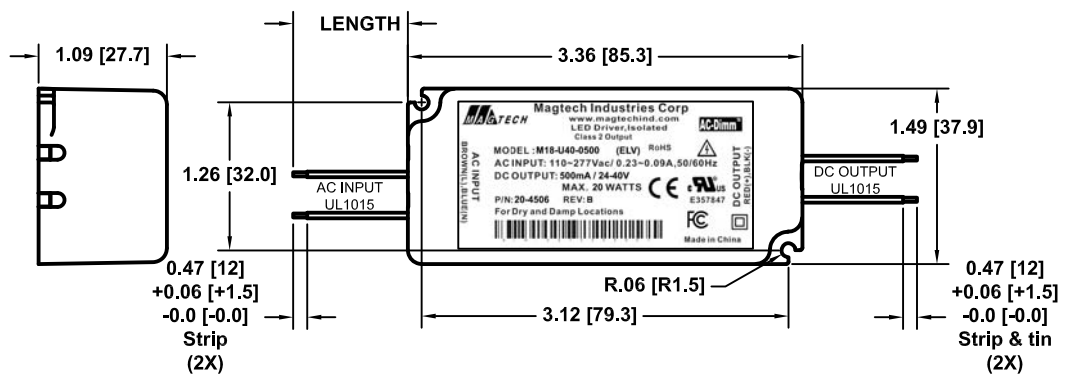
ENVIRONMENTAL CONDITIONS:
 OPERATING TEMPERATURE: -20 ~ 50°C
 RELATIVE HUMIDITY: 5 ~ 95%
 LOCATION: For Dry and Damp Use Only

CONNECTOR:
 N/A

MISCELLANEOUS

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 20W

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



MAGTECH Magtech Industries Corp
 www.magtechind.com
 LED Driver, Isolated Class 2 Output **AC-Dimm™**

MODEL : M18-U40-0500 (ELV) RoHS
 AC INPUT: 110~277Vac/ 0.23~0.09A, 50/60Hz
 DC OUTPUT: 500mA / 24-40V
 MAX. 20 WATTS

P/N: 20-4506 REV: B
 For Dry and Damp Locations

AC INPUT BROWN(L), BLUE(N)
 DC OUTPUT RED(+), BLK(-)

Made in China

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

MANUFACTURED BY:

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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

QC:

MAGTECH

TITLE: M18-U40-0500, 110-277VAC, 500mA, 24-40V

DO NOT SCALE THIS DRAWING	APPROVAL DATE: 03/03/2015	MODEL NO. M18-U40-0500	DWG NO. 20-4506	REV. B0	SH OF 1 1
INTERPRET DRAWING PER ANSI Y14.5M	EFFECTIVE DATE: 02/24/2015				

FORM PF-0004