

REVISIONS		
REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	02/29/2016

**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  
 FCC A001E130624017E  
 EMC dir A001E121227003E  
 LVD A001E121227003S

SAFETY

**INPUT RANGE:**  
 110-277 VAC, 120-50mA  
 @ FULL LOAD.

**FREQUENCY:** 60 Hz.

**EFFICIENCY:** 87 % Typ.

**PEAK INRUSH:**  
 10 AMPS @ 110V AC  
 20 AMPS @ 220V AC

**DIMMING:**  
 AC Phase - Trailing edge only

**POWER FACTOR:** 0.97

**LEAKAGE CURRENT:**  
 < 0.01mA @120VAC  
 Surge Immunity: 2.5K Vac

INPUT

LOAD CAPACITY:	9 WATTS				
OUTPUT	MIN	MAX	LOAD REG	MAX. RIP	
350mA	12V	18V	5%	2.4%	

**COOLING:** CONVECTION

**NOISE LEVEL:** <24 dB (Doc A001E130422009K)

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

**PROTECTION:**  
 OCP,SCP,OVP  
 AUTO-RECOVERY

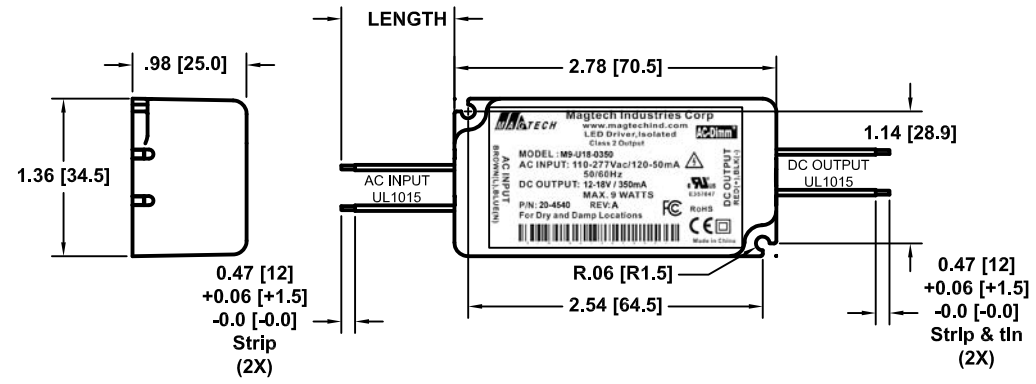
MISCELLANEOUS OUTPUT

**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 9W

- Notes:
- 1.- 5 yrs warr provided tc point remains below 75°C
  - 2.- Bar code defined by drawing 77-0121.
  - 3.- Transformer - Class 130 (B), Insulation system



**Magtech Industries Corp**  
 www.magtechind.com  
 LED Driver, Isolated  
 Class 2 Output

**AC-Dimm**

**MODEL : M9-U18-0350**  
**AC INPUT: 110-277Vac/120-50mA**  
 50/60Hz  
**DC OUTPUT: 12-18V / 350mA**  
 MAX. 9 WATTS

P/N: 20-4540 REV:A  
 For Dry and Damp Locations

RoHS  
 CE  
 Made in China

AC INPUT BROWN(L),BLUE(N)

DC OUTPUT RED(+),BLK(-)

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

MANUFACTURED BY: ES

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<p>UNLESS OTHERWISE SPECIFIED</p> <p>QC:</p> <p>DIMENSIONS IN INCHES (MM)</p> <p>TOLERANCES:</p> <p>.X DECIMALS ± .05 (1.3)</p> <p>.XX DECIMALS ± .02 (0.5)</p> <p>.XXX DECIMALS ± .005 (0.13)</p> <p>ANGLES ± 1°</p> <p>FRACTIONS ± 1/16</p> <p>DO NOT SCALE THIS DRAWING</p> <p>INTERPRET DRAWING PER ANSI Y14.5M</p>	<p><b>TITLE:</b>                  M9-U18-0350, 110-277VAC, 350mA, 12-18V, 5 YRS</p>
<p>APPROVAL DATE: 03/07/2016</p> <p>EFFECTIVE DATE: 02/29/2016</p>	<p>MODEL NO. M9-U18-0350</p> <p>DWG NO. M20-4540</p> <p>REV. A0</p> <p>SH OF 1 1</p>

FORM PF-0004