

20-4509 A

REVISIONS		
REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	02/27/2015

**SAFETY STANDARDS COMPLIANCE:**  
 UL8750  
 UL1310

**SAFETY CERTIFICATIONS**  
 UL, cUL E357847  
 FCC A001E130624015E

**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

**INPUT RANGE:**  
 110 VAC ±10%, 230mA  
 @ FULL LOAD.

**FREQUENCY:** 60 Hz.  
**EFFICIENCY:** 87 % Typ.  
**PEAK INRUSH:**  
 34 AMPS @ 110V AC

**DIMMING:**  
 AC Phase - Leading &  
 Trailing edge

**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
350mA	21V	36V	±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

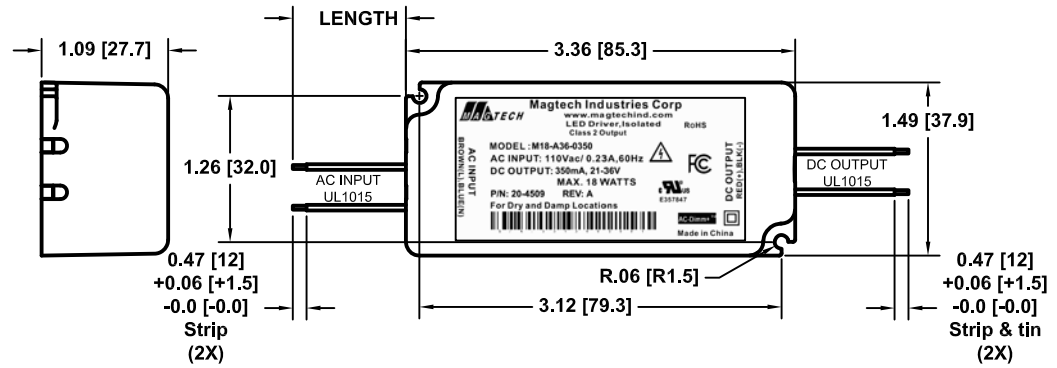
MISCELLANEOUS

**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

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



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

MANUFACTURED BY: Manufactured by HIGH PERFECTION TECHNOLOGY

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UNLESS OTHERWISE SPECIFIED		QC:			
DIMENSIONS IN INCHES (MM)					
TOLERANCES:				TITLE: M18-A36-0350, 110VAC, 350mA, 21-36V	
.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	APPROVAL DATE: 03/06/2015	MODEL NO. M18-A36-0350	DWG NO. 20-4509	REV. A0	SH OF 1 1
INTERPRET DRAWING PER ANSI Y14.5M	EFFECTIVE DATE: 02/27/2015				