

REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	07/08/2016

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
 THD<20%

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	9V	12V	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

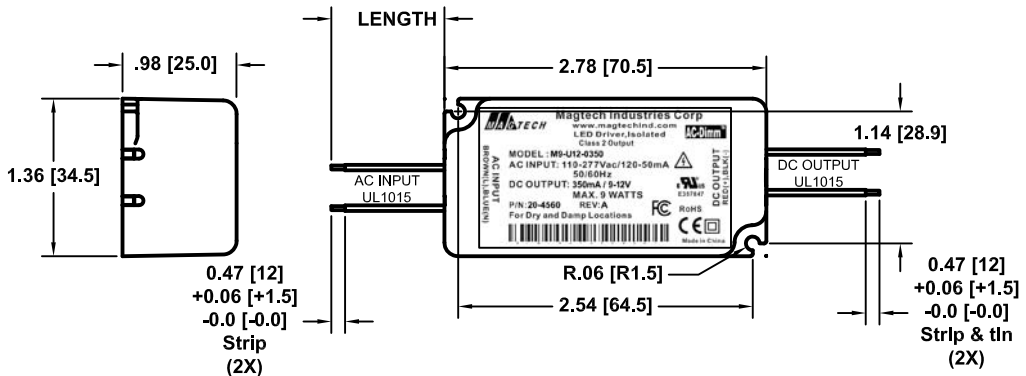
CONNECTOR:
 N/A

PROTECTION:
 OCP,SCP,OVP
 AUTO-RECOVERY

MISCELLANEOUS

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 9W

- Notes:
- 5 yrs warr provided to point remains below 75°C
 - Bar code defined by drawing 77-0121.
 - Transformer - Class 130 (B), Insulation system
 - Fine tuned and tested for Luxeon MZ, 12V



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

MODEL : M9-U12-0350
AC INPUT: 110-277Vac/120-50mA
 50/60Hz
DC OUTPUT: 350mA / 9-12V
 MAX. 9 WATTS

P/N: 20-4560 REV: A
 For Dry and Damp Locations

RoHS
 CE
 Made in China

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

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	

MANUFACTURED BY: ES

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UNLESS OTHERWISE SPECIFIED	QC:					
DIMENSIONS IN INCHES (MM)						
TOLERANCES:		T I T L E : M9-U12-0350, CN-0214, 110-277VAC, 350mA, 9-12V, LUX MZ				
.X DECIMALS ± .05 (1.3)						
.XX DECIMALS ± .02 (0.5)						
.XXX DECIMALS ± .005 (0.13)						
ANGLES ± 1°		APPROVAL DATE: 07/15/2016	MODEL NO. M9-U12-0350	DWG NO. M20-4560	REV. A0	SH OF 1 1
FRACTIONS ± 1/16		INTERPRET DRAWING PER ANSI Y14.5M	EFFECTIVE DATE: 07/08/2016			