

REVISIONS		
REV	DESCRIPTION	DATE
B1	CHANGED PER ECN 24-001	12/02/2024
B0	CHANGED PER ECN 20-006 & 21-007	01/01/2022
A0	RELEASE FOR PRODUCTION	02/07/2017

**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 E357847  
 cUL E357847  
 LVD  
 16KWS070512D  
 EMC DIRECTIVE  
 17KWE074907E

SAFETY

**INPUT RANGE:**  
 110 - 277 VAC  
 0.88 - 0.32 A @ FULL LOAD.  
**FREQUENCY:** 50 / 60 Hz.  
**EFFICIENCY:** 85 % Typ.  
**PEAK INRUSH:**  
 8 AMPS @ 115V AC  
 16 AMPS @ 230V AC

**POWER FACTOR:** >0.9  
**LEAKAGE CURRENT:**  
 0.5mA Max.

INPUT

**LOAD CAPACITY:** 70 WATTS  

OUTPUT	MIN	MAX	LOAD REG	MAX. RIP
1530mA	27 Volts	42 Volts	±5%	60% Pk-Pk

OUTPUT

**COOLING:** CONVECTION  
**NOISE LEVEL:** 0 dB

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

MISCELLANEOUS

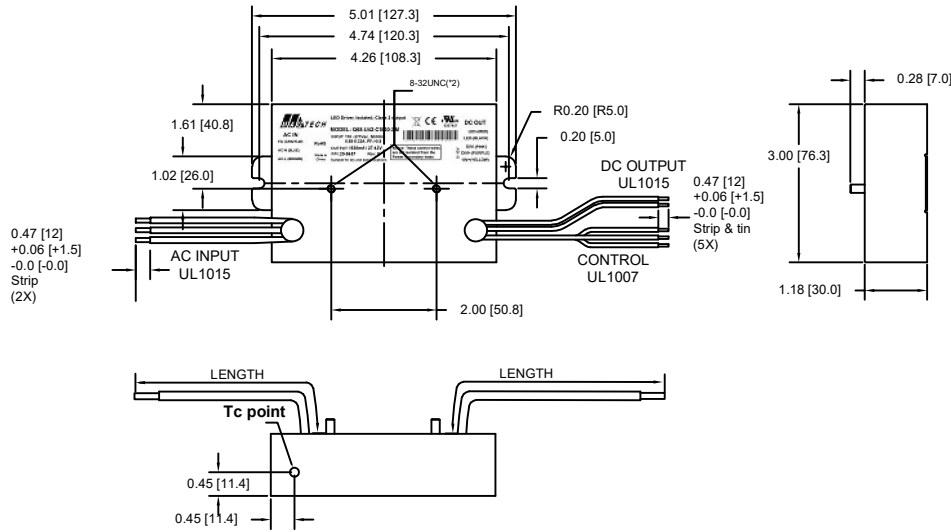
**RELIABILITY (MTBF):** (MIL-HDBK-217E)  
 100,000 HRS. @ 25 °C @ FULL LOAD

**ENVIRONMENTAL CONDITIONS:**  
 OPERATING TEMPERATURE: -20 ~ 50°C  
 RELATIVE HUMIDITY: 5 ~ 95% (NON CONDENSING)  
 LOCATION: 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 70W

- Notes:
- 1.- 5 yrs warr provided to point remains below 75°C
  - 2.- Bar code defined by drawing 77-0120.
  - 3.- Transformer – Rated Class 130 (B) insulation system
  - 4.- Dimming: 0~10V Dimming, driver will dim to off
  - 5.- The COB is BridgeLux BXRC-30E10K0-D-7
  - 6.- Max Ripple Current Pk-Pk 60%
  - 7.- Drivers comply with UL8750 Supplement SF



**DC OUT** LED Driver, Isolated, Class 2 output  
**MODEL: Q68-U42-C1530-XM**  
 INPUT: 110~277Vac, 50/60Hz  
 0.88-0.32A, PF:>0.9  
 OUTPUT: 1530mA / 27-42V  
 P/N: 20-5657 Rev: B  
 Suitable for dry and damp locations  
 Made in China

CE MAGTECH AC IN  
 LED+(RED) FG (GRN/YLW)  
 LED-(BLACK) AC-N (BLUE)  
 DIM-(PINK) AC-L (BROWN)  
 DIM+(PURPLE) 0-10V  
 10V+(YELLOW)

Label on the opposite side

MAGTECH LED Driver, Isolated, Class 2 output  
**MODEL: Q68-U42-C1530-XM**  
 INPUT: 110~277Vac, 50/60Hz  
 0.88-0.32A, PF:>0.9  
 OUTPUT: 1530mA / 27-42V  
 P/N: 20-5657 Rev: B  
 Suitable for dry and damp locations  
 Made in China

DC OUT  
 LED+(RED)  
 LED-(BLACK)  
 DIM-(PINK)  
 DIM+(PURPLE)  
 0-10V  
 10V+(YELLOW)

AC IN  
 FG (GRN/YLW)  
 AC-N (BLUE)  
 AC-L (BROWN)


RoHS

Notice: These control wires are not isolated from the Power Secondary leads

Label on the studs side

CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	---	(GRN/YLW)	FG	18	6.5 [165] ±0.5 [±13]
	---	BROWN	LINE	18	
	---	BLUE	NEUTRAL	18	
DC OUT	---	RED	+V	18	
	---	BLACK	GND	18	
DIM CNTL	---	YELLOW	+10V OUT	20	
	---	PURPLE	DIM+	20	
---	PINK	DIM-	20		

MANUFACTURED BY: ES

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 INC.					
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:	 TITLE: Q68-U42-C1530-XM, CN-0197, 110-277VAC, 1530mA, 27-42V			
DO NOT SCALE THIS DRAWING INTERPRET DRAWING PER ANSI Y14.5M	APPROVAL DATE: 02/14/2017 EFFECTIVE DATE: 02/07/2017				