

REVISIONS		
REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	12/03/2015

SAFETY STANDARDS COMPLIANCE:
UL8750
UL1310

SAFETY CERTIFICATIONS
UL, cUL E357847
CE LVD 15KWS07432D
EMC 15KWE072839E
FCC Pending

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

INPUT RANGE:
110~277 VAC, 150~50mA
@ FULL LOAD.

FREQUENCY: 50/60 Hz.
EFFICIENCY: 87 % Typ.
PEAK INRUSH:
6 AMPS @ 110V AC
21 AMPS @ 230V AC

POWER FACTOR: 0.97
LEAKAGE CURRENT:
< 0.01mA @277VAC
Surge Immunity: 2.5K Vac

STANDARD LOAD RANGE:				
OUTPUT	MIN	MAX	LOAD REG	MAX. RIP
250mA	27V	42V	±5%	N/A

COOLING: CONVECTION
NOISE LEVEL: N/A
RELIABILITY (MTBF):
100,000 HRS. @ 25 DEG. C @ FULL LOAD

PROTECTION:
OCP,SCP,OLP
AUTO-RECOVERY

ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -40 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95%
LOCATION: For Dry and Damp Use Only

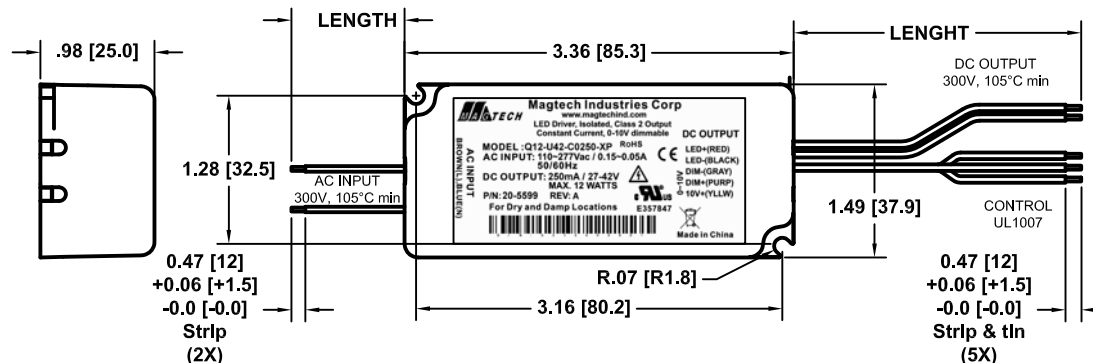
CONNECTOR:
N/A

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 12W

SAFETY

INPUT

MISCELLANEOUS OUTPUT



MAGTECH Magtech Industries Corp
www.magtechind.com
LED Driver, Isolated, Class 2 Output
Constant Current, 0-10V dimmable

MODEL : Q12-U42-C0250-XP RoHS
AC INPUT: 110~277Vac / 0.15~0.05A CE
50/60Hz
DC OUTPUT: 250mA / 27-42V 4
MAX. 12 WATTS
P/N: 20-5599 REV: A E357847
For Dry and Damp Locations
Made in China

DC OUTPUT
LED+(RED)
LED-(BLACK)
DIM-(GRAY)
DIM+(PURP)
10V+(YLLW)

AC INPUT
BROWN(L), BLUE(N)

CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC IN	—	BROWN	LINE	20	±0.5 [±13]
	—	BLUE	NEUTRAL	20	
DC OUT	—	RED	+V	20	6.5 [165]
	—	BLACK	GND	20	
DIM CNTL	—	YELLOW	+10V OUT	20	6.5 [165]
	—	PURPLE	DIM+	20	
	—	GRAY	DIM-	20	

- Notes:
1.- 5 yrs warr provided tc point remains below 75°C
2.- Bar code defined by drawing 77-0120.
3.- Transformer - Class 130 (B), Insulation system
4.- Dimming: 0~10V Dimming

MANUFACTURED BY: ES

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UNLESS OTHERWISE SPECIFIED	QC:	MAGTECH					
TOLERANCES:		TITLE: Q12-U42-C0250-XP, 110-277VAC, 250mA, 27-42V, 5YRS					
.X DECIMALS±	.05 (1.3)						
.XX DECIMALS±	.02 (0.5)						
.XXX DECIMALS±	.005 (0.13)						
ANGLES±	1°	APPROVAL DATE: 12/10/2015		MODEL NO.	DWG NO.	REV. A0	SH OF
FRACTIONS±	1/16	EFFECTIVE DATE: 12/03/2015		Q12-U42-C0250-XP	M20-5599		1 1
DO NOT SCALE THIS DRAWING							
INTERPRET DRAWING PER ANSIV14.5M							