



ISO 9001:2008
REGISTERED

GTM91099-60VV-X.X-P2, P3



In-Line Potted Switching Power Supply, IP67, Medical (60601-1), ITE (60950-1), and Household Use (60335-1) 60 Watts, Universal Input



IP67

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

100-240 VAC

INPUT CURRENT:

<1.5 A RMS MAX

INPUT FREQUENCY:

47 - 63 HZ

OUTPUT VOLTAGE:

SEE CHART BELOW

OUTPUT CURRENT:

SEE CHART BELOW, NO LOAD TO FULL LOAD,
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

60 WATTS MAX

OUTPUT LOAD REGULATION:

+/- 5% OF NOMINAL OUTPUT VOLTAGE MEASURED AT O/P
CONNECTOR AT NOMINAL LINE

LINE VOLTAGE REGULATION:

+/- 2% MAX AT FULL LOAD

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):

*+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHZ BANDWIDTH
WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF
ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF
THE OUTPUT CONNECTOR.

TURN ON/ TURN OFF OVERSHOOT:

5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50%
STEP LOAD

TURN-ON DELAY:

2 SECONDS, MAX AT FULL LOAD, NOMINAL LINE

HOLD-UP TIME:

8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

40 A MAX AT COLD START 120 VAC, 60A MAX COLD START
230VAC

SWITCHING FREQUENCY:

100 KHz TYPICAL

OVER-VOLTAGE PROTECTION:

PROTECTED, HICCUP WITH AUTO RECOVERY

OVER-LOAD:

PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:

PROTECTED, HICCUP WITH AUTO RECOVERY

INPUT:

INPUT LINE AND NEUTRAL FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:

5656 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:

<250 µA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:

UL60601-1 3RD ED, N+ 60950-1, 2ND ED., CUL TO 22.2 #60601-1(PENDING), NEMKO TO 60601-1 AND 60950-1, 2ND ED. AND 60335-1 (PENDING) CCC TO GB4943-2001, GB9254-1998, GB17625.12003(PENDING), GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT, UKRAINE

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55011:1998 A1:1999/A2:2002, EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CEC TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS:

MTBF:

723,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91099-4005-PX	PR9xA6000YYYCHM(RVB	+5.0	0 - 6.0	0 - 30
GTM91099-6012-6.0-PX	PR9xB5000YYYCHM(RVB	+6.0	0 - 5.0	0 - 30
GTM91099-6012-4.5-PX	PR9xC4000YYYCHM(RVB	+7.5	0 - 4.0	0 - 30
GTM91099-6012-3.0-PX	PR9xD3333YYYCHM(RVB	+9.0	0 - 3.33	0 - 30
GTM91099-6012-PX	PR9xE5000YYYCHM(RVB	+12.0	0 - 5.0	0 - 60
GTM91099-6019-4.0-PX	PR9xG4000YYYCHM(RVB	+15.0	0 - 4.0	0 - 60
GTM91099-6019-1.0-PX	PR9xH3333YYYCHM(RVB	+18.0	0 - 3.33	0 - 60
GTM91099-6019-PX	PR9xZ3160YYYCHM(RVB	+19.0	0 - 3.16	0 - 60
GTM91099-602-4.0-PX	PR9xZ3000YYYCHM(RVB	+20.0	0 - 3.0	0 - 60
GTM91099-6024-PX	PR9xI2500YYYCHM(RVB	+24.0	0 - 2.5	0 - 60
GTM91099-6048-18.0-PX	PR9xR2000YYYCHM(RVB	+30.0	0 - 2.0	0 - 60
GTM91099-6048-12.0-PX	PR9xY1670YYYCHM(RVB	+36.0	0 - 1.67	0 - 60
GTM91099-6048-PX	PR9xX1250YYYCHM(RVB	+48.0	0 - 1.25	0 - 60

Suffix Variable X:
2= Class II, 2 wires input/output
3= Class I, 3 wires input/output

Part Number Variable x:
S =Output Wires, Strip&Tin, 2 wires
U =Output Wires, Strip&Tin, 3 wires

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IP67

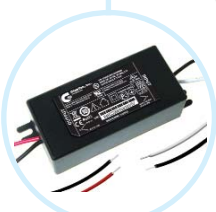
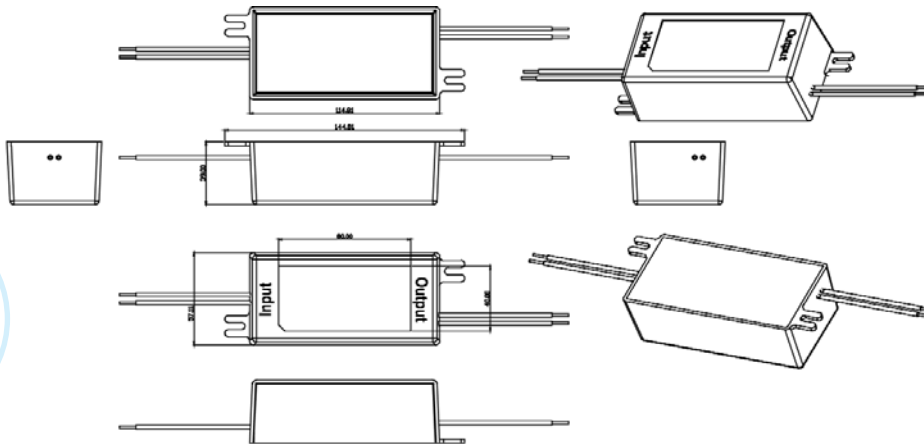
ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE COLOR: BLACK

DIMENSIONS: 144.28 x 56.58 x 33.0mm +/- 1.0

SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE

P2



INPUT CORD:

CABLE TYPE:

2C ROUND UL 1015 SOLID

CABLE COLOR:

BLACK/WHITE

CABLE LENGTH:

305mm +5 mm

WIRE GAUGE (AWG):

18AWG

STRIP LENGTH:

7 mm + 1mm

TIN LENGTH:

N/A

ADDITIONAL

REQUIREMENTS:

N/A

OUTPUT CORD:

CABLE TYPE:

2C ROUND UL 1015 SOLID

CABLE COLOR:

RED/BLACK

CABLE LENGTH:

305mm +5 mm

WIRE GAUGE (AWG):

18AWG

STRIP LENGTH:

7 mm + 1mm

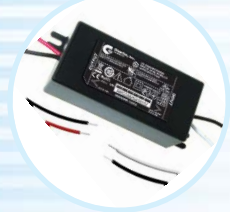
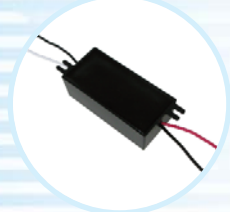
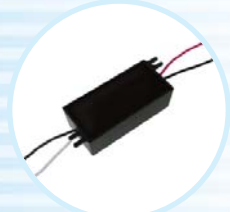
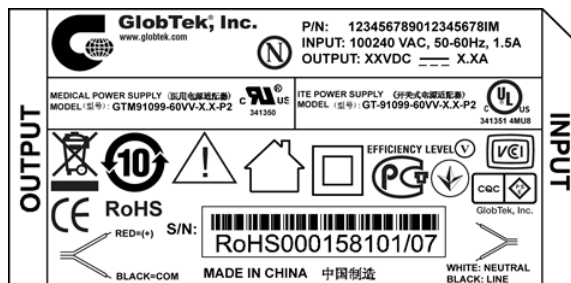
TIN LENGTH:

N/A

ADDITIONAL

REQUIREMENTS:

N/A





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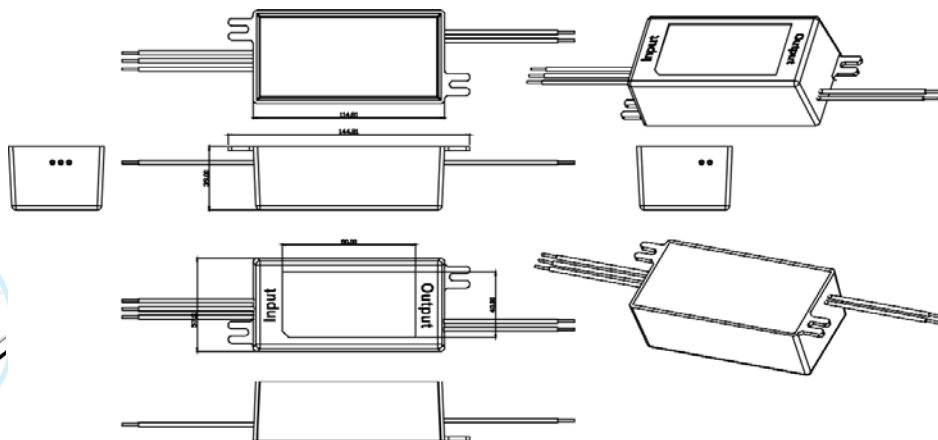


IP67

ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE COLOR: BLACK
DIMENSIONS: 144.28 x 56.58 x 33.0mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE

P3



INPUT CORD:

CABLE TYPE:

3C ROUND UL 1015 SOLID

CABLE COLOR:

BLACK/WHITE/GREEN YELLOW

CABLE LENGTH:

305mm +5 mm

WIRE GAUGE (AWG):

18AWG

STRIP LENGTH:

7 mm + 1mm

TIN LENGTH:

N/A

ADDITIONAL

REQUIREMENTS:

N/A

OUTPUT CORD:

CABLE TYPE:

2C ROUND UL 1015 SOLID

CABLE COLOR:

RED/BLACK

CABLE LENGTH:

305mm +5 mm

WIRE GAUGE (AWG):

18AWG

STRIP LENGTH:

7 mm + 1mm

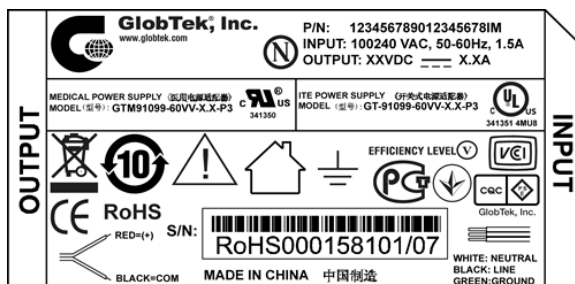
TIN LENGTH:

N/A

ADDITIONAL

REQUIREMENTS:

N/A



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