



ISO 9001:2008  
REGISTERED



**60 Watts, In-Line Switching Power Supply,  
Universal Input, Medical, Class II**

Part Number Ordering System (See Page 456)  
Output Plug/Cord Options (See Page 425)



**ELECTRICAL SPECIFICATIONS:**

- INPUT VOLTAGE:**  
100-240VAC
- INPUT CURRENT:**  
<1.5 A RMS MAX
- INPUT FREQUENCY:**  
47 - 63 HZ
- OUTPUT VOLTAGE:**  
SEE TABLE BELOW
- OUTPUT CURRENT:**  
SEE TABLE BELOW
- OUTPUT POWER (RATED):**  
SEE TABLE BELOW
- 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 10µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.
- TURN ON/ TURN OFF OVERTHOOT:**  
5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD
- TURN-ON DELAY:**  
2 SEC MAX AT FULL LOAD
- 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
- APPROVALS**
- SAFETY APPROVAL:**  
UL60601-1 3RD ED, CUL TO 22.2 #60601-1(PENDING), NEMKO TO 60601-1,(PENDING) CCC TO GB4943-2001, GB9254-1998, GB17625.12003(PENDING), GOST-R, CE CLASS II, AS/NZ TO 60950 WITH RCM, C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT (PENDING)
- 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)  
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)
- OTHERS**
- MTBF:**  
200,000 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

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91099-4005-T2	+5.0	0 - 6.0	0 - 30
GTM91099-6012-X.X-T2	+12.0	0 - 5.0	0 - 60
GTM91099-6019--X.X-T2	+19.0	0 - 3.42	0 - 60
GTM91099-6024-X.X-T2	+24.0	0 - 2.7	0 - 60
GTM91099-6048-X.X-T2	+48.0	0 - 1.25	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



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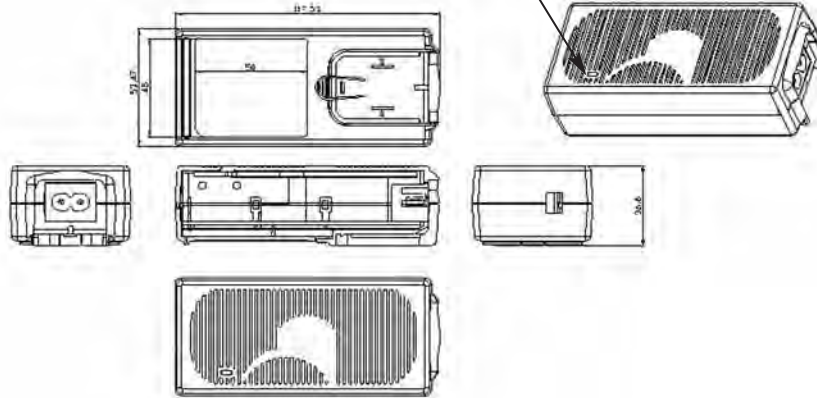


**ENCLOSURE:**

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, COLOR BLACK  
SIZE: 117.53 x 53.47 x 36.6 ±1 mm

SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE

LED INDICATOR GREEN = "ON"



- CABLE TYPE  
1C + SHIELD UL 1185
- CABLE LENGTH  
1200mm + 150 - 0
- WIRE GAUGE (AWG)  
16AWG
- HANK DIMENSION  
80 ± 10mm
- CABLE / CONNECTOR  
OVERMOLD COLOR  
BLACK
- FERRITE TYPE / DIMENSION  
N/A
- FERRITE # OF TURNS N/A
- FERRITE DIMENSION FROM  
STRAIN RELIEF N/A
- FERRITE DIMENSION  
FROM PLUG N/A
- PLUG TYPE  
BARREL
- OVER MOLD ORIENTATION  
STRAIGHT
- PLUG DIMENSIONS  
5.5 x 2.5 x 11mm
- BARREL PLUG INTERNAL  
SPRING CLIP  
NO
- BARREL PLUG  
LOCKING NOTCH  
NO
- POLARITY  
CENTER POSITIVE
- STRIP LENGTH N/A
- TIN LENGTH N/A
- ADDITIONAL REQUIREMENTS  
N/A



**UL 2P**  
P/N: R-NA-2(R)  
NORTH AMERICA  
CHINA  
JAPAN



**UK 2P**  
P/N: R-UK-2(R)  
UNITED KINGDOM  
HONG KONG  
SINGAPORE



**EU 2P**  
P/N: R-EU-2(R)  
EUROPE  
SOUTH AMERICA



**AUS 2P**  
P/N: R-SAA-2(R)  
AUSTRALIA



INPUT CONNECTORS OPTIONS		INPUT CONNECTOR
PINS OR KITS MUST BE ORDERED SEPARATELY		R-KIT-2(R)
1	CLASS II MODEL NEMA 1-15P AC POWER PLUG WITH 2 PRONGS, R-NA-2(R)	X
2	AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II, R-SAA-2(R)	X
3	UK CONFIGURATION: UK 2 PINS CLASS II, R-UK-2(R)	X
4	EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II, R-EU-2(R)	X

