



ISO 9001:2000
REGISTERED

RT-3S150 SERIES-150W

**150 Watts, Switchmode Power Supply, Single Output
Family, Metal Enclosed, Universal Input; ITE**



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 2.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
150 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYPICAL

ADJUSTABILITY:
+10, -5% MAIN OUTPUT

OUTPUT INDICATOR:
GREEN LED, OUTPUT PRESENT

OUTPUT REGULATION (LINE/LOAD):
± 2 % FOR MAIN OUTPUT

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20 mSEC MIN AT NOMINAL INPUT 115 VAC AND FULL LOAD

INRUSH CURRENT:
35 A MAX AT COLD START FOR N.A. (50A FOR EURO)

EFFICIENCY:
80% TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
ITE MODELS: UR TO UL 60950, C-UR TO 22.2 # 950,
TUV TO EN 60950, CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:
3000 VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY-
GROUND

LEAKAGE CURRENT:

< 0.5 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 AND EN55011, CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 50,000 HOURS AT 25° C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0° C TO 40° C

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

MODEL NUMBER CODE:

RT-3: INTERNAL CODE;
-: ITE MODEL, UL 60950
S150: FAMILY DESIGNATION, SINGLE OUTPUT 150W
(P): POWER FACTOR CORRECTION
03 TO 48: OUTPUT VOLTAGE, DC
PFC: ACTIVE POWER FACTOR CORRECTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S
DESIGNATION RANGE, AS
LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO
48V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X
VOLTS FROM STANDARD OUTPUT VOLTAGE.

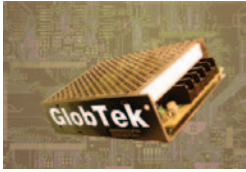
OUTPUT VOLTAGE / CURRENT: CLASS I MODELS, PROTECTIVE GROUND

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
RT-3S150-03-X.X	3.3	0 - 30	0 - 100
RT-3S150-05-X.X	5.0	0 - 30	0 - 150
RT-3S150-09-X.X	9.0	0 - 16.7	0 - 150
RT-3S150-12-X.X	12.0	0 - 12.5	0 - 150
RT-3S150-13.5-X.X	13.5	0 - 11	0 - 150
RT-3S150-15-X.X	15.0	0 - 10	0 - 150
RT-3S150-18-X.X	18.0	0 - 8.4	0 - 150
RT-3S150-24-X.X	24.0	0 - 6.3	0 - 150
RT-3S150-48-X.X	48.0	0 - 3.2	0 - 150

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



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MECHANICAL DRAWING

UPPER/LOWER HOUSING, HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED,
COLOR BLACK. UNIT HAS NON-SKID POLYURETHANE PADS.

NOTE:

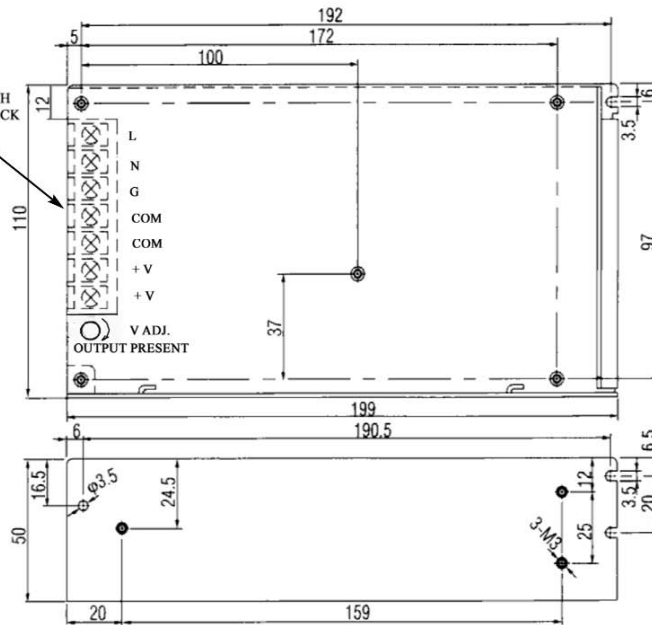
10 MIL 94V-0 FIBER GLASS (2.75X5.15 IN. W/4 HOLES MATCHING MOUNTING HOLE POSITIONS)



INPUT CONNECTOR: CONFIGURATION:

CLASS I MODELS STANDARD:
DESKTOP UNITS: EN60320/C14/3 PINS
AC POWER RECEPTACLE WITH MALE
PRONGS, COLOR BLACK. NOTE:
GROUND WIRE, 18AWG STRANDED,
GREEN WITH YELLOW STRIPE JACKET
IS CONNECTED BETWEEN GROUND
LUG AND COMMON OF Y SAFETY
CAPACITORS, INTERNALLY OPTIONAL
EARTH GROUND IS CONNECTED TO
THE DC OUTPUT RETURN AND
OUTPUT CORD DRAIN WIRE (SHIELD).

7P / 9.5 mm PITCH
TERMINAL BLOCK



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