



ISO 9001:2008
REGISTERED

GTM93021-20VV-P2



20 Watts, Potted/Encapsulated Regulated Switchmode AC-DC Power Supply/Class 2 Power Supply



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

SPECIFIED 90-264 VAC, NAMEPLATE RATED: 100-240VAC

INPUT FREQUENCY:

SPECIFIED 47-63 HZ, NAMEPLATE RATED 50-60HZ

OUTPUT REGULATION:

+/- 5% MEASURED AT THE OUTPUT CONNECTOR

LINE VOLTAGE REGULATION:

+/- 1% TYPICAL MEASURED AT FULL LOAD

OUTPUT RIPPLE (VP-P):

+/-1% OR 150 MV WHICHEVER IS GREATER, MEASURED AT 20 MHZ BANDWIDTH WITH 0.1 UF CERAMIC CAPACITOR IN PARALLEL WITH 10 UF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/OFF OVERTHOOT:

5% MAXIMUM, 1 MS TYPICAL RECOVERY TIME FOR 25% TO 50% STEP LOAD

TURN-ON DELAY:

3000 MS, MAXIMUM @ FULL LOAD, NOMINAL LINE

HOLD-UP TIME:

8 MS TYPICAL @ NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:

30A MAXIMUM COLD START @ 240VAC INPUT

SWITCHING FREQUENCY:

65 KHZ TYPICAL

PROTECTION

OVER-VOLTAGE:

ELECTRONICALLY PROTECTED ZENER CLAMP ACROSS THE OUTPUT

SHORT CIRCUIT:

ELECTRONICALLY PROTECTED UNIT WILL AUTO RECOVER UPON REMOVAL OF FAULT

INPUT PROTECTION:

INPUT LINE AND NEUTRAL FUSING

SAFETY

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC FROM PRIMARY TO SECONDARY

TOUCH CURRENT:

MAXIMUM ALLOWED VALUES: 100UA NC (NORMAL CONDITION) 500UA SFC (SINGLE FAULT CONDITION)

EARTH CONTINUITY TEST:

<0.1 OHM OR < 0.2 OHM WHEN WITH A NON-DETACHABLE POWER SUPPLY CORD, CLASS I ONLY

ROHS 2:

COMPLIES WITH EU 2011/65/EU AND CHINA SJ/T 11363-2006

OTHER:

MTBF:

200,000 HOURS @ 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 50°C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO 80°C

COOLING:

CONVECTION

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM93021-1507-2.0-P/T/D2	+5.00	0 - 3.00	15.0
GTM93021-1809-P/T/D2	+9.00	0 - 2.00	18.0
GTM93021-2009-P/T/D2	+9.00	0 - 2.22	20.0
GTM93021-2015-3.0-P/T/D2	+12.0	0 - 1.67	20.0
GTM93021-2024-P/T/D2	+24.0	0 - 0.83	20.0
GTM93021-2036-P/T/D2	+36.0	0 - 0.56	20.0
GTM93021-2048-P/T/D2	+48.0	0 - 0.42	20.0





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ENCLOSURE

HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED
 SIZE: 48.0 LENGTH X 51.0 WIDTH X 35.0 HIGH MM +/-1.0 MM SUITABLE FOR INSTALLATION IN NORTH AMERICAN 1-GANG OLD WORK ELECTRICAL BOX / TYPICAL UNTERPUTZ POWER SUPPLY (NETZTEIL) FOR "HOHLWANDDOSE" PER VDE0606 (EINBAU-NETZTEIL STROMVERSORGUNG FÜR UNTERPUTZ-INSTALLATION)
 MARKINGS: LABEL AND/OR PAD PRINTED AND/OR MOLDED IN THE CASE



INPUT CONFIGURATION:
 INPUT WIRES 2X 200MM
 STRANDED UL1015 OR EQUIVALENT, BLUE=NEUTRAL AND BROWN=LINE

