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Project 04ME10276

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REPORT
on

POWER SUPPLIES OTHER THAN CLASS 2

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Northvale NJ.

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CONSTRUCTION DETAILS:

Markings - All markings are either permanently ink stamped, silk-screened, or provided on a PGDQ2, preprinted or die-stamped foil type, suitable for application to the surface involved, rated 60°C min.

The following markings are provided: Listees name, model number and identification of input and output leads, such as indication of voltage, date, or other dating period, of manufacture and complete electrical ratings. The DC output can additionally be marked as a Class 2 Output.

Soldered Connections - All soldered connections are mechanically secured before soldering. When hand soldered, leads on printed circuit boards are bent over prior to soldering.

Exception-Printed circuit board assemblies that are wave soldered.

Corrosion Protection - Parts are of corrosion resistant material or plated or painted as corrosion protection.

Tolerances - Unless specified otherwise, all indicated dimensions are approx.

Internal Wiring - Unless otherwise specified, all internal wiring is Recognized Component Appliance Wiring Material (AVLV2), PVC, TFE, PTFE, FEP or neoprene insulated, or surface marked "VW-1", rated minimum 300 V, 60° C, min. 18 AWG.

*MODEL GT-41054-1212-W3

FIG. 1

Fig. 2

General - Fig. 1 shows overall enclosure of Power Supply.
Fig. 2 shows internal view of Power Supply.

1. Enclosure Cover - R/C (QMFZ2), Manufactured by GE Plastic Co Ltd., Type SE-1 rated V-1. Overall dimensions 80 by 48 by 24 mm, measures 2.4 mm thick.
2. Enclosure Base - Same as enclosure cover except dimensions 80 by 48 by 18 mm, measures 1.88 mm thick. Enclosure cover secured to enclosure base by sonic welding.
3. Output Strain Relief - Integrally molded with output cord. Secured by fit of flange to opening, 5.5 by 7.0 mm, integral with enclosure formed by mating enclosure halves.
4. Output Cord - (SEC.) 2 conductor, 18 AWG parallel cord. Thickness of insulation on each conductor plus thickness of cord jacket if provided, totals 0.33mm(0.013in.). One end of cord terminates at internal connections, other end splits from molded connection into two separate 2 conductor outputs terminating in a nonstandard polarized plug. Cord min 6 ft (1.8 m) external length. See fig 1.
5. Blades - Nonpolarized with ground. See Ill. 1 for Construction Details. Secured to base by integrally molded to enclosure.
6. AC Outlet - R/C (RTRT2), manufactured by Sokao, type S0-11-1, rated 125 V ac, 10 A, snap fit into enclosure cover opening of 24mm by 21.5 mm.
7. Printed Wiring Board - R/C (ZPMV2), rated min 94V-0, min 105°C.
8. Fuse(F1)-(PRI) R/C (JDXY2), manufactured by Conquer Electronics, Rated 2 A, 250 V.
Alternate - same as above except manufactured by Bel Fuse.
9. Capacitor (CX1) - R/C (FOWX2), Rated 0.22 uF, 250 V.
10. Capacitor (CY1) - R/C (FOWX2), Rated 2.2 uF, 250 V.
11. Capacitor (C1) - Electrolytic, Rated 22 uF, min. 200 V dc.
12. Capacitor (C6) - Electrolytic, Rated 470 uF, min. 25 V dc.
13. Capacitor (C7) - Electrolytic, Rated 220 uF, min. 16 V dc.
14. Rectifying Diodes (D1A-D1D) - rated min 400V, min 1A.
15. Varistor (ZR1) - R/C (XHUT2) - manufactured by (Centra Science Corp., type CNR-07D471K), rated min. 125 V.
16. Inductor (NF1)- R/C (OBJY2) - Class B insulation system, manufactured by Yao Sheng Electronic Co. Ltd., type M7A90.

17. Optical Isolators (U2) - (FPQU2), (manufactured by Sharp, type PC817).
Viso = min. 5000 V ac, meets reinforced insulation
18. Fet (Q1) - Rated min 600 V, min 4.4 A.
19. SCR (Q2) - Rated min. 0.8 A, min 380 V.
20. Shunt Regulator (IC1)- Rated min 36 V,
21. Transformer - R/C (OBJY2) - Class B insulation system, manufactured by Long
Sail Electronic Co. Ltd., type SB14.2. See Ill # 2.

CONCLUSION

Samples of the product covered by this Report have been found to comply with the requirements covering the class and the products are judged to be eligible for Listing and Follow-Up Service. The manufacturer is authorized to use the Laboratories' Mark on such products which comply with the Follow-Up Service Procedure and any other applicable requirements of Underwriters Laboratories Inc. Only those products which properly bear the Laboratories' Mark are considered as Listed by Underwriters Laboratories Inc.

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