DESCRIPTION

PRODUCT COVERED:

USR, CNR: Component - Medical Power Supplies, Models MVLT100-ZXXX, MVLT80-ZXXX, MVLT60-ZXXX, MVLT45-ZXXX, where Z is any number 1 to 4, and X is any number.

ELECTRICAL RATINGS:

Convection - MVLT100-ZXXX, MVLT80-ZXXX, MVLT60-ZXXX, MVLT40-ZXXX

Input			Output			
V	A	Hz	Pins	V	A	W (max)
100-240	2.2	50-60	P1-4	5 to 12	12	60
				12 to 14.3	7.5	90
				14.4 to 24	6.9	100
			P9-10	12 to 24	4.0	48
			P11	-5 to 24	0.8	20
			P12	-5 to 24	0.8	20

Maximum Output Power: MVLT100-ZXXX = 100 W
MVLT80-ZXXX = 80 W
MVLT60-ZXXX = 60 W
MVLT45-ZXXX = 45 W

Forced Air - MVLT100-ZXXX

Input			Output			
V	A	Hz	Pins	V	A	W (max)
100-240	2.2	50-60	P1-4	5 to 12	14	70
				12 to 14.3	7.5	90
				14.4 to 24	6.9	100
			P9-10	12 to 24	4.0	48
			P11	-5 to 24	0.8	20
			P12	-5 TO 24	0.8	20

Maximum Output Power = 120 W with 200 LFM Forced Air

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USR - indicates investigation to the Standard Medical Electrical Equipment, UL 2601-1, Second Edition.

CNR - indicates investigation to CSA C22.2 No. 601.1

The products were tested on a 20 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.

Special Considerations - The following items are considerations that were used when evaluating this product.

The equipment was submitted by the manufacturer for use in a maximum air ambient of 50°C.

CONDITIONS OF ACCEPTABILITY - When installed in the end-use equipment, consideration shall be given to the following:

1. The secondary outputs of this power supply are isolated from the mains by double/reinforced insulation.

2. This power supply has been evaluated for use in a max 50°C ambient in accordance with the manufacturer's specifications.

3. The isolating transformer employs a R\C Insulation System (OBJY2), designated Class F.

4. The power supply PWB has a rated maximum operating temperature of 130°C.

5. The Production Line Dielectric is conducted on the Power Supply.

6. The device shall be installed in compliance with the enclosure, mounting, spacing, and marking requirements of the end-use application.

7. The acceptability of the connection to supply mains should be evaluated in the end product.

8. The earth terminal provided on the power supply has only been evaluated for protective bonding. Earthing of the end product enclosure should be independent of the power supply.

9. If provided with forced air, the measurement (in LFM) shall be made in directly over the main transformer, with airflow from input to output.

10. This product has only been evaluated for non-patient connected circuits.

11. The need for conducting Leakage Current Tests is to be determined as part of the end product evaluation.

12. This product provides fusing in the line input lead only. Need for fusing of the neutral lead should be considered in the end product.

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