DESCRIPTION

PRODUCT COVERED:

USR/CNR DC Attenuator Module - Model PAN4820.

GENERAL CHARACTER AND USE:

This DC Attenuator Module is intended for use as an input filter for DC powered equipment, or in AC powered equipment, connected after input rectification circuitry. It consists of across-the-line (DC plus to DC minus) and line-to-ground (DC plus to ground and DC minus to ground) components mounted on a printed circuit board and housed in a metal enclosure. All components are mounted in an enclosure.

ELECTRICAL RATINGS:

	Input (dc)		Output (dc)	
Model	V	A max	V	A
PAN4820	76.0	20.0	76.0	20.0

Use - For use only in end-use equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2 No. 60950 and UL 60950, Third Edition.

All dynamic testing was conducted with the unit loaded to its specified output current of 20Adc. The declared maximum ambient was 75°C at 100% load for convection cooling and 90°C at 100% load for 1m/s forced air-cooling.

Conditions of Acceptability - When installed in the end-use equipment, the following are among the considerations to be made.

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2 No. 60950 and UL 60950, Third Edition.

2. A suitable electrical and fire enclosure shall be provided, such that compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application are ensured.

3. Temperature testing was conducted with a simulated end-product. Consideration should be given to measuring temperatures on power electronic components, coils and transformer windings, when the component is installed in the end product.

4. The input and output terminals/connectors have not been evaluated for field wiring.

5. These components have been evaluated for use in a Pollution Degree 2 Environment.

6. This component is intended for use as an input filter for DC powered equipment, or in AC powered equipment, connected after input rectification circuitry.

7. Basic insulation is provided between input and ground and between output and ground; operational insulation is provided between input and output.

8. Both input and output are considered hazardous energy levels.

9. Testing was performed with an external Listed 30 A, 250 V input fuse.