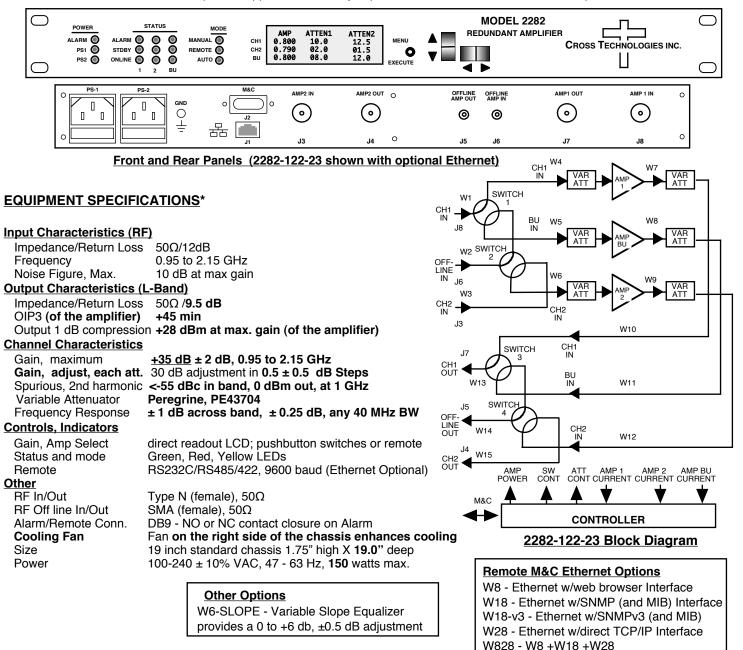


DATA SHEET

REV_E 2/22/24

2282-122-23 Redundant Amplifier, 0.95-2.15 GHz, +45 OIP3

The Model 2282-122-23 Redundant Amplifier, 0.95-2.15 GHz, +45 OIP3 (of the amplifiers), monitors and controls internal amplifiers configured in a 1:1 or 1:2 redundant configuration. Peregrine Model PE43704 variable attenuators can adjust the input and output signals into and out of the amplifiers by 30 dB in 0.5± 0.5 dB steps by the front panel controls and the M&C. Front panel LEDs indicate power, status (online, standby, alarm), and mode (auto, manual, remote). The amplifiers' current is measured and a fault is signaled if the current deviates from user selected thresholds. Multi-function switches select Auto, Manual or Remote operation, priorities for 1:2, and the signal path in the Manual mode. Remote operation via the RS232/RS485 M&C interface allows selection of priorities (1:2) and the signal path. Ethernet is available as an option. An LCD display shows each amplifier's current, and signal path. Form C relay contact closures indicate amplifier and power supply status, switch position, Auto, Remote, and Manual operation. Connectors are type N, female for the RF in and out signals, DB9 for monitor and control. A fan on the right side of the chassis enhances cooling. It is housed in a 1RU chassis and has redundant power supplies, each fed by separate, fused 100-240 ±10% VAC AC input connectors.



*10°C to 40°C; Specifications subject to change without notice.