



## **MU-DEL ELECTRONICS**

### **Mu-Del S-Band Amplifier System MDA-2224H/011215**

This assembly is a self-contained package consisting of a Low Noise Preamplifier and an AC Power Supply. All components are mounted in a small weatherproof box of which the inside is foam filled to prevent moisture or condensation. This assembly is designed to take the output of a portable antenna system and send this signal over a coaxial cable to either a Multicoupler or a Receiver.

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| • Frequency Range                 | 2200 to 2400 MHz                     |
| • Gain                            | 45 dB nominal                        |
| • Gain Flatness                   | +/- 1 dB maximum, +/- 0.5 dB typical |
| • Amplifier Noise Figure          | 0.9 dB maximum, 0.7 dB typical       |
| • System Noise Figure             | 1.2 dB typical                       |
| • VSWR (Input / Output)           | 1.5:1 maximum                        |
| • Impedance (input, output)       | 50 ohms                              |
| • Output Level @ 1 dB Compression | +10 dBm minimum                      |
| • Connector Type                  | N-f or user defined                  |
| • AC Power Connector              | 3 pin Locking Connector              |
| • Power Requirements              | 90-260 VAC, 47-440 Hz                |
| • Operating Temperature           | -10 to +51° C                        |
| • Storage Temperature             | -40 to +85° C                        |
| • Humidity                        | 10 to 90%, non-condensing            |
| • Chassis Type                    | weatherproof and internally foamed   |
| • Operating Altitude              | 0 to 10000 feet MSL                  |

#### **Following are some of the more popular options:**

Gain Adjustment  
Different Gain

Different Frequency Range  
Different Temperature Range  
AC or DC Power Indicator

Mounting Brackets  
Different Output Level

**Please consult factory for Ordering Information and to discuss options to modify any of the above specifications.**

