



# MU-DEL ELECTRONICS, INC.

## **Mu-Del Medium Gain Dual Polarized Antenna System MANT-2224-01120-2C**

This assembly is a totally integrated system where the antenna is hard mounted to the electronic package. The RF Electronics Assembly has a maximum Noise Figure of 1.7 dB and is designed to send the RF signal over a coaxial cable to either a Multicoupler or a Receiver.

### **Antenna**

- Frequency Range 2200 to 2400 MHz
- Gain @ 2300 MHz 16 dBi typical
- 3 dB Beam Width @ -2300 MHz 25° typical
- Polarization RHCP and LHCP
- Axial Ratio 2 dB typical
- VSWR (Input / Output) 1.5:1 maximum

### **Filter**

- 0.5 dB Pass Band 2200 to 2400 MHz
- Pass Band Insertion Loss 0.5 dB maximum, 0.4 dB typical
- Number of Poles 4 typical

### **Amplifier**

- Pass Band 2200 to 2400 MHz
- Gain 45 dB +/- 2 dB
- Noise Figure 0.9 dB maximum, 0.6 dB typical
- Gain Flatness 0.75 dB maximum, 0.5 dB typical

### **Housing**

- Power Requirements 90-260 VAC, 47-440 Hz
- Power Connector 3 pin Locking Connector
- Power Indicator LED showing power to system
- Connector Type N-f or user defined
- Mounting mounting bracket
- Chassis weatherproof and sealed
- Operating Temperature -20 to +50° C

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

Different Gain Pre-Amplifiers    Lower Gain Antenna    Different Temperature Range

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

