



MU-DEL ELECTRONICS, INC.

Mu-Del Broad Beam Width Low Gain Antenna System MANT-1424-2C

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 1435 to 2400 MHz
- Gain @ 1485 MHz 6.5 dBi typical
- Gain @ 1800 MHz 8.0 dBi typical
- Gain @ 2300 MHz 9.0 dBi typical
- 3 dB Beam Width @ 1485 MHz 70° typical
- 3 dB Beam Width @ 1800 MHz 60° typical
- 3 dB Beam Width @ 2300 MHz 50° typical
- Polarization RHCP and LHCP
- Axial Ratio 2.0 dB typical
- VSWR (Input / Output) 1.5:1 maximum

Filter (2 each)

- 0.5 dB Pass Band 1435 to 2400 MHz
- Pass Band Insertion Loss 0.5 dB maximum, 0.4 dB typical
- Number of Poles 4 typical

Amplifier (2 each)

- Pass band 1435 to 2400 MHz
- Gain 45 dB typical
- Noise Figure 1.0 dB maximum, 0.7 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

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

