



MU-DEL ELECTRONICS, INC.

Mu-Del Filter/Preamplifier Assembly MDA-2224/010615

This assembly is a self-contained package consisting of a Band Pass Filter, Low Noise Preamplifier and an AC Power Supply. All components are mounted in a small weatherproof box inside of which is foam filled to prevent moisture or condensation.

Overall System

- Frequency Range 2200 to 2400 MHz
- Total System Noise Figure 1.8 dB maximum, 1.5 dB typical
- Power Requirements 90-260 VAC, 47-440 Hz
- AC Power Connector 3 pin Locking Connector
- RF Connector Type N-f or user defined
- Operating Temperature -20 to +51° C
- Humidity 10 to 95%, non-condensing
- Operating Altitude 0 to 10000 feet MSL
- Impedance (input, output) 50 ohms
- Chassis Type weatherproof and internally foamed

Band Pass Filter

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

Low Noise Preamplifier

- Frequency Range 2200 to 2400 MHz
- Amplifier Gain 30 dB minimum, 33 dB typical
- Noise Figure 0.8 dB maximum, 0.6 dB typical
- Gain Flatness 0.75 dB maximum, 0.5 dB typical
- Power Output @ 1 dB Compression +10 dBm minimum

Following are some of the more popular options:

Gain Adjustment Different Frequency Range Mounting Brackets
AC or DC Power Indicator Different Temperature Range Different Output Level

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

