

Microwave Specialty Company

A division of Rantec Microwave Systems
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Broadband L, S, C Tri Band Antenna P/N 00-60306



The Microwave Specialty Company L, S, C Tri Band Antenna is a lightweight and durable antenna designed for quick deployment in the field. One operator can assemble the antenna in 5 minutes with no hand tools or hardware. Most common reflector sizes range from 2 feet to 5 feet in diameter; however, other reflector sizes are available. The Tri Band Antenna is ideal for telemetry and UAV applications.

Antenna Specifications	
Frequency	1.3 - 6 GHz
Gain	19 dBi minimum @ 3 foot diameter 21.5 dBi minimum @ 4 foot diameter 23.4 dBi minimum @ 5 foot diameter
Beamwidth	18 degrees maximum @ 3 foot diameter 13.5 degrees maximum @ 4 foot diameter 10.8 degrees maximum @ 5 foot diameter
Sidelobes	>12 dB
Backlobe	>25 dB
VSWR	1.3 - 1.85 GHz is 2.6:1 max 1.85 - 2.5 GHz is 2.1:1 max 2.5 - 6.0 GHz is 1.8:1 max
Cross Polarization	> 20 dB
Interface	sma (f)
Polarization	Linear, Dual Linear, Circular, Dual Circular
Weight	13 pounds @ 3 foot diameter
Environment	Desert / Marine; feed sealed with pressurization vent
Mechanical Interface	4-point mounting (customizable)