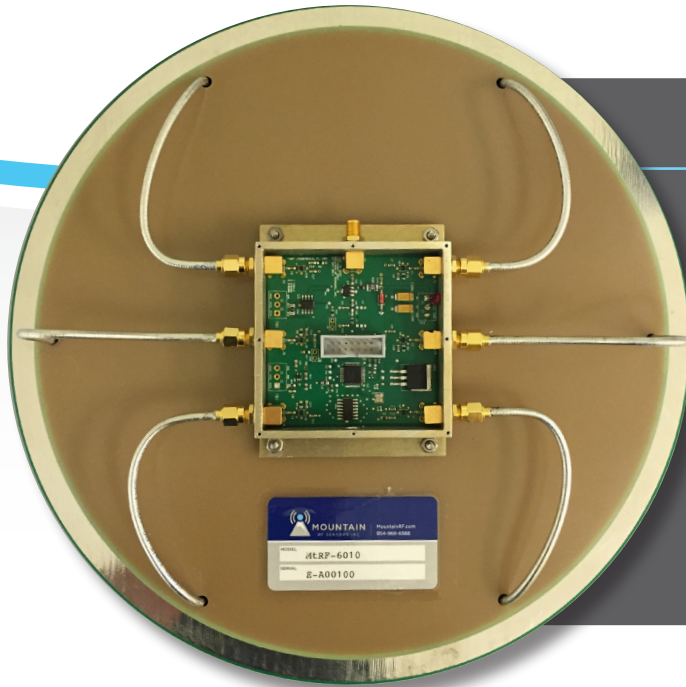


MtRF-6000 Series UAV/SIGINT Annular Slot Antennas



KEY FEATURES:

- Wide Frequency coverage
- Covert Installation
- Omni-Directional
- Ultra-Low Drag
- Low Radar Signature
- Integrated Combiner/Amplifier
- Provided with Bonded FRP Radome

WHAT HAVE YOU BEEN MISSING?

Wide bandwidth and low noise amplifiers result in uncovering signals overlooked with many competitor products. The slot antenna is unique in the fact that it can be flush-mounted while providing 360 degrees of azimuth coverage. The slot antenna has extremely wide bandwidth, approaching 2 decades. The upper frequency limit is reached when the slot diameter approaches $\frac{1}{2}$ wavelength. Above this limit, the pattern develops secondary lobes. There is no sharp boundary on the lower limit, but the sensitivity drops as the frequency is lowered. In addition to the low drag and small diameter, the slot antenna is very light. With an on-board micro, this “smart” antenna requires simple interfacing and offers enhanced performance.

Specifications

| | |
|--------------|---|
| Polarization | Vertical |
| Power Input | 9.5 – 18 VDC or 18 – 32 VDC, 2 Watts |
| Amplifier | Integral, >15 dB Gain, NF <2 dB |
| Radome | Integral, 0.125” FRP, bonded to element |

| Model | Frequency Range | Diameter |
|-----------|--------------------|----------|
| MtRF-6024 | 5 MHz to 200 MHz | 26” |
| MtRF-6018 | 7 MHz to 270 MHz | 20” |
| MtRF-6012 | 10 MHz to 400 MHz | 14” |
| MtRF-6010 | 15 MHz to 500 MHz | 12” |
| MtRF-6005 | 30 MHz to 1000 MHz | 7” |

Custom Sizes and Ranges Available

What have you been missing?

PLEASE CALL OR EMAIL WITH YOUR INQUIRY:

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