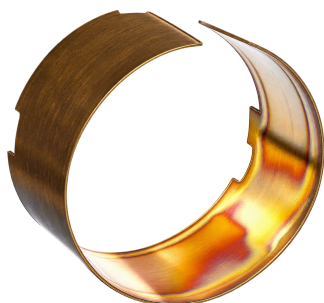


Wrap-Around Microstrip Antennas



Standard Features

- Spherical pattern coverage
- Multi-band functions
- Compact
- Flush-mounted

TRAK TECOM Microstrip Antennas are available in several types and configurations - linear and/or circular polarization. For example, the Type 256001 tri-band antenna provides S-Band telemetry, Command Destruct, and C-Band Beacon functions designed for a large diameter vehicle, whereas, the Type 102067 provides S-Band function only on a very small diameter vehicle.

Most antennas are linearly polarized and the individual radiating elements are phased to provide omni-directional coverage around the vehicle. Antennas that provide circular polarization are also available.

TRAK TECOM has designed and fielded a wide variety of wrap-around antennas customized to our customer's requirements. Our designs for specific applications have included both single or multi-band configurations including, S, C, X and L-Band frequencies. Contact us with your requirements and we'll provide you with a quote.

Electrical Performance Specifications

Type Number	102067	102092	256001		
Function	Telemetry	Telemetry	Command	Telemetry	Beacon
Frequency Range	2.2 - 2.3 GHz	2.2 - 2.3 GHz	.406 - .549 GHz	2.2 - 2.29 GHz	5.4 - 5.9 GHz
Frequency Bandwidth	8 MHz	20 MHz	2 MHz	90 MHz	500 MHz
VSWR	1.5:1	1.5:1	2.0:1	2.0:1	2.0:1
Efficiency	70%	60%	55%	80%	80%
Power	20W CW	20W CW	Receive only	20W CW	20W CW
Temperature Range	-40°C to +70°C	-40°C to +250°C	500°F for 30 Sec. 200°F continuous		
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Connector	3MM	SMA	3MM	3MM	3MM
Polarization	Linear	Linear	Linear	Linear	Linear
Weight	3 oz / 85 g	12 oz / 340 g	3.51 lbs. / 1.59 kg		



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solutions@trak.com