

Features

- Broadband Coverage
- 1.9 - 2.7 GHz
- 12.0 dBi @ 2,400 MHz
- Type-N(f) RF Connector
- Built-in RF Bypass Relay for Integration with an Additional Antenna

Applications

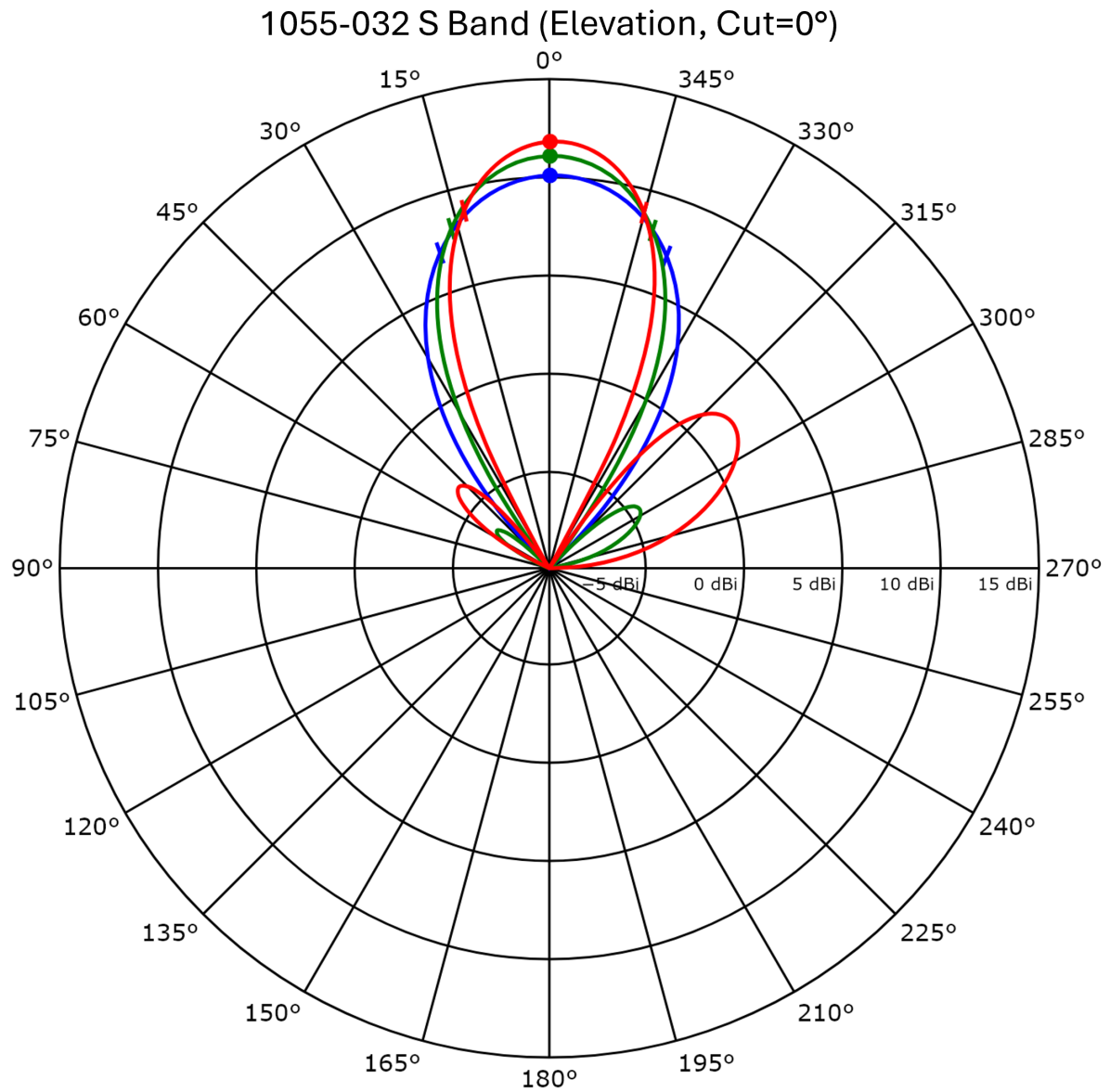
- Law Enforcement
- Surveillance
- UAV & UGV Ground Stations
- Included Mounting Holes of Equipment Enclosure



Product Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
Frequency Band	S		
Impedance	50	Ohms	
Minimum Frequency	1.9 / 1,900	GHz / MHz	
Maximum Frequency	2.7 / 2,700	GHz / MHz	
Frequency Bandwidth	0.8 / 800	GHz / MHz	
Maximum VSWR	1.5:1	Ratio	
Maximum Gain	12.0	dBi	@ 2,400 MHz
Polarization	Vertical		
Color	White		
Maximum RF Input Power	50	Watts	

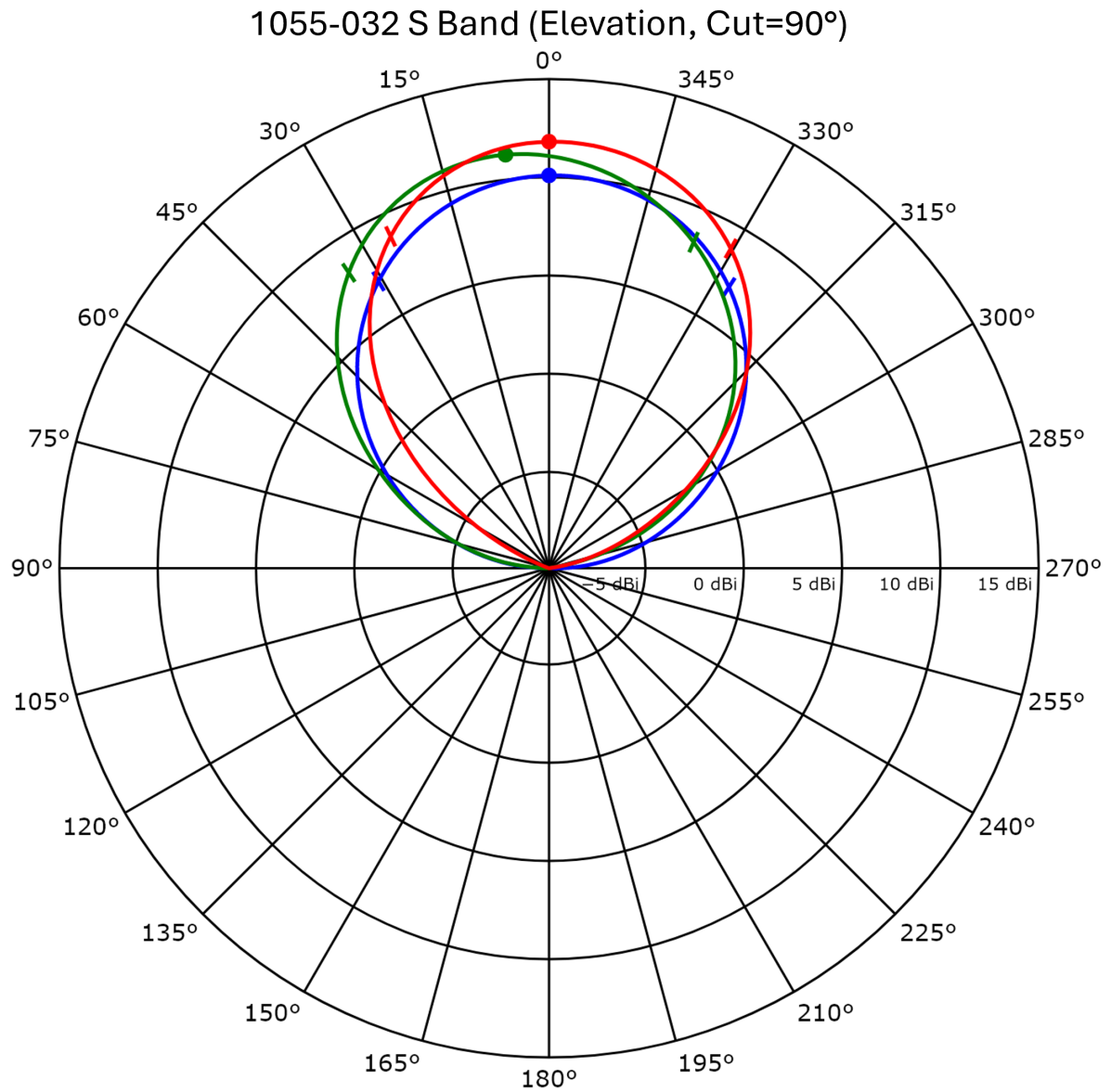
Parameter	Value	Units	Tolerance
Vertical EL Beamwidth	28 - 63	Degrees	
Radome Material	Polycarbonate		
Ground Plane Required	No		
Mount Style	Panel		
RF Connector Type	Type-N(f)		
Product Length	9.18 / 233.17	inches / mm	±.13"
Product Width	7.18 / 182.37	inches / mm	±.13"
Product Height	2.82 / 71.63	inches / mm	±.13"
Product Weight	1.72 / 0.78	lbs / kg	



- 1900 MHz (10.1 dBi max. @ 0 deg, 40 deg beamwidth)
- 2300 MHz (11.1 dBi max. @ 0 deg, 33 deg beamwidth)
- 2700 MHz (11.8 dBi max. @ 0 deg, 28 deg beamwidth)

Elevation Pattern

S Band (1,900 - 2,700 MHz)

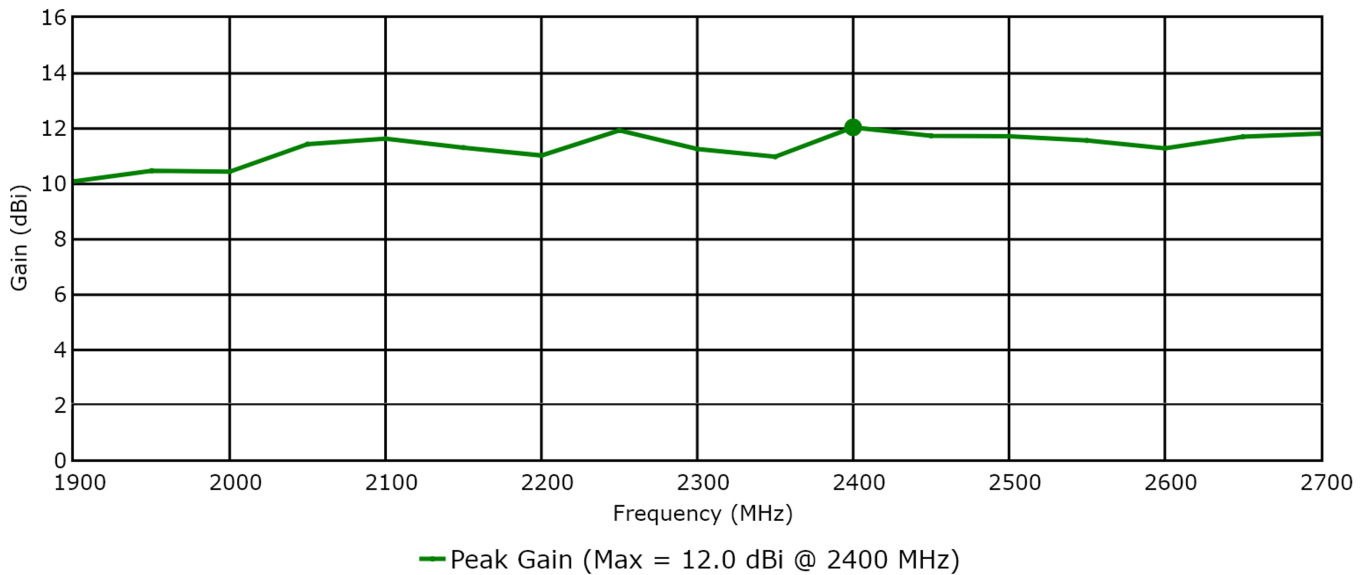


- 1900 MHz (10.1 dBi max. @ 0 deg, 63 deg beamwidth)
- 2300 MHz (11.3 dBi max. @ 6 deg, 58 deg beamwidth)
- 2700 MHz (11.8 dBi max. @ 0 deg, 55 deg beamwidth)

Elevation Pattern

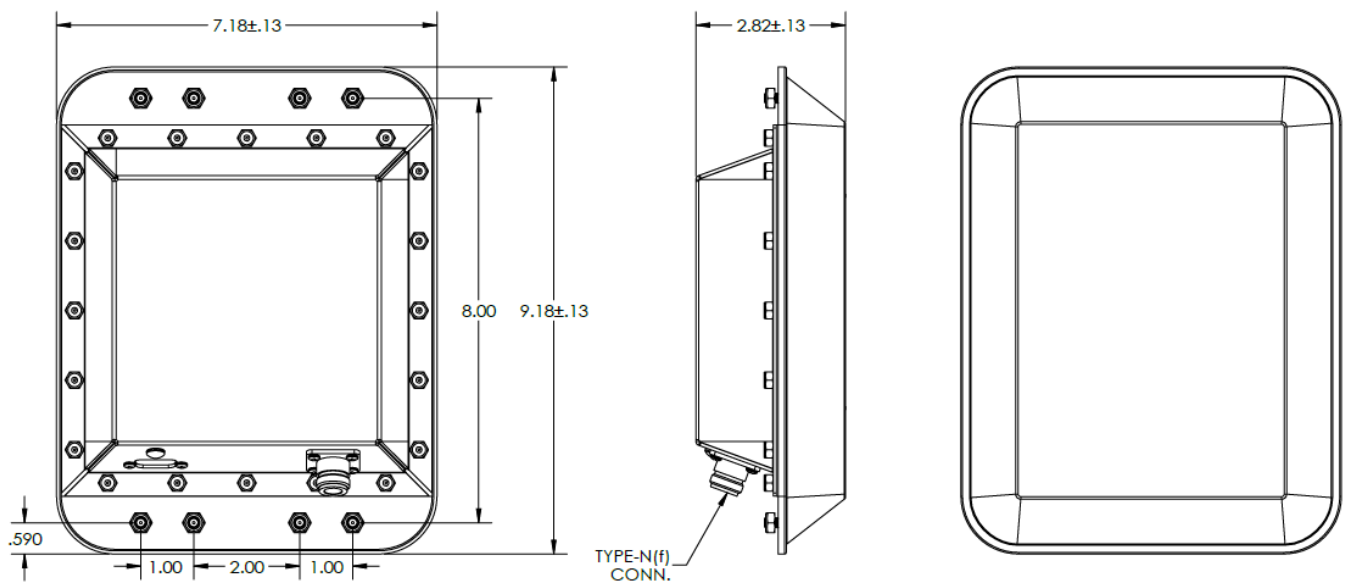
S Band (1,900 - 2,700 MHz)

1055-032 S Band (Gain vs. Frequency Plot)



Gain vs. Frequency Plot

S Band (1,900 - 2,700 MHz)



Engineering Drawing

All dimensions are in inches