



SIGNAL ANTENNA SYSTEMS

MODEL: SA HGA-38 SERIES

Product Data Sheet

SA HGA-38 SERIES: High gain, Directional, Telemetry antenna for use on fixed ground and trailer vehicle installations supporting standard Telemetry, Tracking, and Command (TT&C) applications in the L, S, and C frequency bands. Variety of frequency bands, polarization, amplifier, and filtering options.



PERFORMANCE CHARACTERISTICS

RF and ELECTRICAL	S-BAND (SA HGA-38S)	L/S-BAND (SA HGA-38LS)	C-BAND (SA HGA-38C)
Frequency Range	2200 – 2400 MHz	1535 – 2400 MHz	4400 – 5850 MHz
Antenna Gain	25.0 dBi @ 2300 MHz	21.5 dBi @ 1545 MHz 25.0 dBi @ 2300 MHz	31.5 dBi @ 2300 MHz
Beamwidth (3-dB)	14.0°	9.5°	4.5°
Polarization	RHCP & LHCP	RHCP & LHCP	RHCP & LHCP
VSWR	2.5:1 all ports		
LNA Gain (Optional)	30 – 60 dB		
LNA Noise Figure (Optional)	0.5 – 0.8 dB	0.5 – 0.9 dB	0.6 – 1.0 dB
MECHANICAL			
Dimensions	38" Diam.		
Weight	<25 lbs.		
Mounting	X4 ¼-20 UNC 6.36" square pattern		
Interface	N-Type Female		
ENVIRONMENTAL			
Operating Temperature	-40° to 50°		
Wind Survival	50 mph		

