



SA V800-1 vs. V960-1 MODELS

TECHNICAL COMPARISON

Product Brief

SA V960-1 OMNI: Rugged, high power omni-directional antenna has been widely used in variety of tactical communication systems such as: Joint Tactical Information Distribution System (JTIDS), Link16 Tactical Communications (969–1206 MHz), IDS Multifunctional Information Distribution System (MIDS), and JTRS Joint Tactical Radio System (JTRS). Although the specified frequency range is 960 – 1,220 MHz, its actual usable frequency range is 800 – 3,000 MHz.

Building on the success of the V960-1 model and continuing on the path of continuous improvement and product innovation Signal Antenna is pleased to introduce **SA V800-1**. In essence V800-1 is a smaller, lighter cousin of V960-1 with wider operating frequency range from 800 to 6,000 MHz. V800-1 antenna has the same power handling of 200W continuous wave as V960-1. Mechanically, V800-1 is about 1.5 inches shorter and 4 oz lighter. The same mounting interface bolt pattern and bracket dimensions allow interchangeability between two antennas.

PERFORMANCE CHARACTERISTICS SUMMARY

RF and Electrical		
Specified Frequency Range	960 – 1220 MHz	800 – 6,000 MHz
Useful Frequency Range	800 – 3000 MHz	800 – 6,000 MHz
Gain	+2 dBi	+2 dBi
3-dB Beamwidth (E-Plane)	80.0°	80.0° (@ 1.0 GHz)
3-dB Beamwidth (H-Plane)	360.0°	360.0°
Polarization	Linear	Linear
VSWR	2.5:1	2.0:1
Power Handling	200 Watts	
MECHANICAL		
Dimensions	11" high x 1.3"diam.	9.5" high x 1.3"diam.
Weight	20 oz	16 oz
Mounting	2-hole bolt pattern or base/bracket	
INTERFACE		
	N-Type Female	

