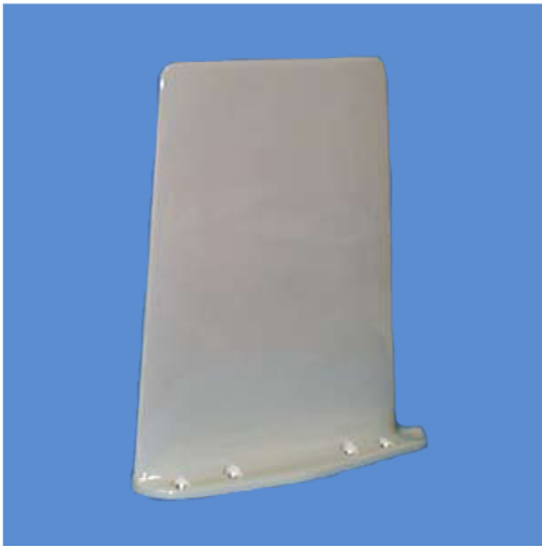


X-Band S65-1200



DESCRIPTION

S65-1200: Designed for X-Band transponder use for high-gain patterns on the horizon. All metal, dip-brazed construction provides DC grounding for lightning protection. Coax-to-waveguide connector offers high-power capability. Waveguide and connector are hermetically sealed. AWACS transponder. Ideal for military applications for in-flight refueling and other tactical operations.

NSN: 5985-01-024-4265.

SPECIFICATIONS	
MODEL	S65-1200
ELECTRICAL	
Frequency	8800-9500 MHz
VSWR	≤1.5:1 (9150-9400 MHz) ≤2.5:1 (8800-9500 MHz)
Pattern	±10 Vertical
Polarization	Horizontal
Directivity	7 dB above isotropic reference min.
Impedance	50 ohms
Power	400 Watts Peak
Lightning Protection	DC grounded
MECHANICAL	
Weight	2.0 lbs. Max.
Height	8.9 in.
Material	Aluminum Alloy
Finish	Polyurethane
Connector	TNC
Drag	1.5 lbs. Mach .85 @29,000 ft.
ENVIRONMENTAL	
Side Load	12 psi
Temperature	-55°C (-67°F) to +71°C (160°F)
Vibration	14 G's (non-operating)
Altitude	50,000 ft.

PERFORMANCE

