



DESCRIPTION

S67-1575-133: ARINC 743A active antenna, low profile, with advanced radome design and material, offers enhanced protection against rain, ice and lightning strikes. 33dB gain, low-noise, wide bandwidth with special filtering. Accepts +4 to +24 VDC and contains internal voltage regulator. DC bias in provided through coax connector. Hermetically sealed. Meets TSO C144 for all MMR installations.

NSN: 5985-01-526-1716

FEDERAL & MILITARY SPECS: FAA TSO C129a and C144, DO-160D, DO-228, MIL-STD-810, ARINC 743A, MIL-E-5400, MIL-DTL-5541.

SPECIFICATIONS	
MODELS	S67-1575-133
ELECTRICAL	
Frequency	1575.42 ± 10 MHz
VSWR	≤ 2.0:1
Polarization	RHCP
Impedance	50 Ohms
Gain Coverage (min)	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Gain (preamp)	33.0 ± 3 dB
Power Handling	1 Watt (+30 dBm)
Voltage	+4 to +24 VDC
Current	45 mA Max
Lightning Protection	DC Grounded
MECHANICAL	
Weight	9 oz.
Height	.73 in.
Width	3.0 in.
Length	4.70 in.
Material	6061-T6 Aluminum/Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Altitude	55,000 ft.

PERFORMANCE

