

XM/Sirius Radio Antenna **S67-1575-65**

Description

S67-1575-65: Active, low-profile antenna operating at 2326 MHz for Sirius Satellite Radio receivers providing aviation weather information and cabin entertainment services. It features a 29.5 dB gain amplifier and is equipped with a TNC female connector. The mechanical configuration consists of a machined aluminum base with a 3½" diameter. The radome design and materials provide enhanced protection from rain, ice and lightning strikes.

FEDERAL & MILITARY SPECS: DO-160C, MIL-STD-810, FAA PMA.

Specifications

Electrical

Frequency	2326 ± 7 MHz
VSWR	≤ 2.0:1
Polarization	LCHP
Impedance	50 Ω
Power Handling	100 mW (+20 dBm)
Gain	-1.0 dBic 0° ≤ Ø ≤ 75° -2.5 dBic 75° ≤ Ø ≤ 80° -4.5 dBic 80° ≤ Ø ≤ 85° -7.5 dBic Ø = 90° @ Horizon
Gain (Preamp)	29.5 ± 3 dB
Supply Voltage	+3.3 to +28 VDC @ 45mA MAX

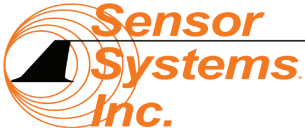
Mechanical

Weight	7 oz.
Height	.73 in.
Diameter	3.50 in
Material	6061-T6 Aluminum Alloy / Thermoset
Finish	Plastic Skydrol Resistant Polyurethane
Connector	Enamel TNC Female

Environmental

Temperature	-55°C (-67°F) to +85°C (+185°F)
Altitude	55,000 ft.

Please Note: For REFERENCE ONLY
Contact Sensor Systems for latest drawing



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