VF10-347-( )
VHF Communications Antenna

DAYTON-GRANGER
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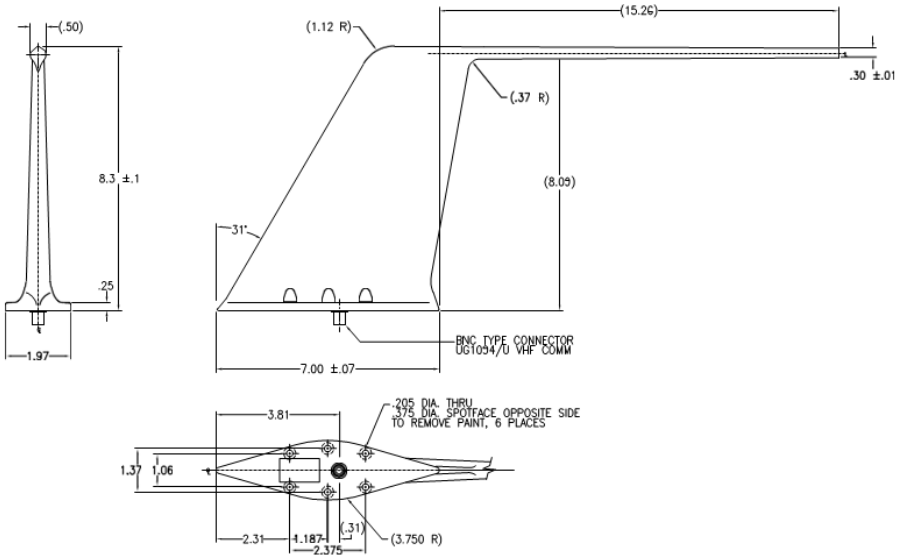

Specifications

Electrical

Frequency	116-156 MHz
VSWR	2.5:1
Polarization	Vertical
Radiation Pattern	Omnidirectional
Impedance	50 Ohms
Power	40 Watts

Mechanical

Weight	1.5 lbs. max (0.68 kg)
Height	8.3 in. (210.8 mm)
Material	Aluminum/Fiberglass
Finish	White Polyurethane
Connector	See Chart
Mounting	See Chart

Environmental

Speed Rating	600 knots
Temperature	-55 °C to +70 °C
Side Load	20 PSI
Vibration	Funct: 4.12 g_{RMS} End: 5.85 g_{RMS}
Shock	20 g_{PK}, 11 msec

Federal Specifications

Approvals	FAA TSO-C169a*
	*This antenna's TSO qualification was upgraded from TSO-C37b & TSO-C38b on 1/3/2018

VF10-347-( ) VHF Communications Antenna

The VF10-347-( ) series of SPI antennas are low profile, vertically- polarized, VHF communications antennas, which operate over the frequency range of 116 to 156 MHz. The antenna is constructed of cast aluminum for extra strength and longer durability during flight. This antenna has a much higher MTBF (Mean Time Between Failures) than fiberglass antennas presently available on the market.

Applications

The antenna shown in the drawing above is the standard VF10-347. The -1, -2 and -5 versions have a slightly different connector location. The -3 and -4 versions offer a 4-hole pattern; the connector location is also different.

Series

DG PN	Connector Type	Number of Mounting Holes	Notes
VF10-347	BNC	6	
VF10-347-1	BNC	6	Offers a BNC connector and is a direct replacement for the Chelton P/N 16- 21B fiberglass antenna.
VF10-347-2	TNC	6	Offers a TNC connector and is a direct replacement for the Chelton P/N 16-21B fiberglass antenna.
VF10-347-3	BNC	4	Offers a BNC connector and is a direct replacement for the HR Smith P/N 10-118-1 antenna.
VF10-347-4	TNC	4	Offers a TNC connector and is a direct replacement for the HR Smith P/N 10-118-2 antenna.
VF10-347-5	BNC	6	Offers a BNC connector and is a direct replacement for the Chelton P/N 16- 21B fiberglass antenna complete with a baseplate notch in the aft position.

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