AV-265 & AV-265(-GB)

Transponder, Cellular, L-Band, 4G LTE
FAA TSO: C74d (1030-1090 MHz only)

The AV-265 is a broadband blade type antenna for applications such as Transponder, Cellular, 4G LTE, GSM, PCS, WIFI, and UMTS.
The antenna housing is constructed of a Polyarylamide Plastic shell and the base is 6061-T6 aluminum with a chemical conversion coating per MIL-C-5541. The antenna is supplied with an o-ring and mounting hardware. The antenna is designed to operate at speeds up to Mach 1 and altitudes up to 55,000 feet.

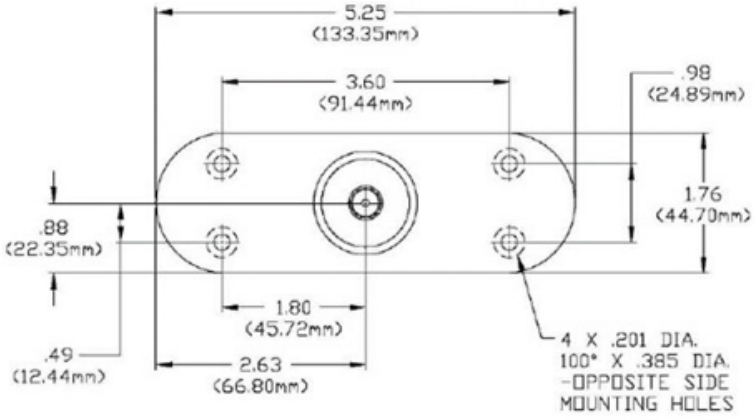


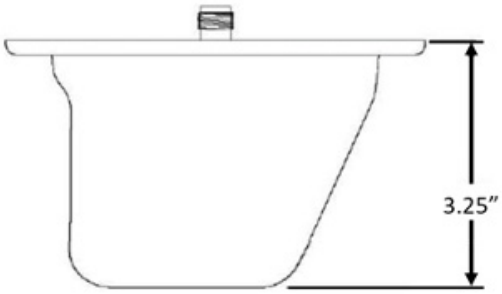
Product Specifications

Application	Transponder, Cellular, 4G LTE, GSM, PCS, WiFi, UMTS	
Frequency	700-2650 MHz	
	1030-1090 MHz	
	3400-3700 MHz	
	4800-5875 MHz	
Impedance	50 Ohms Nominal	
VSWR	700-2650 MHz	2.5:1 Max.
	1030-1090 MHz	1.5:1 Max.
	3400-3700 MHz	2.5:1 Max.
	4800-5875 MHz	2.5:1 Max.
Polarization	Vertical	
Pattern	Omni-Directional	
Connector	"TNC" Female	
RF Power Capacity	100 Watts Continuous	
	1000 Watts Peak	

Mechanical Specifications

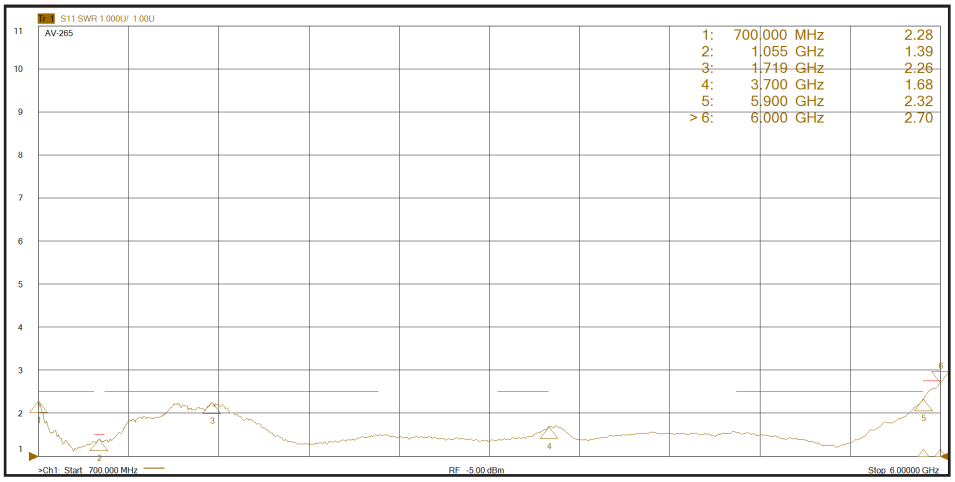
Height	3.25"	85.55 mm
Weight	0.40 lbs	0.18 kg
Available Colors	AV-265	Gloss White
	AV-265(-GB)	Gloss Black





*Unless otherwise specified, dimensions are in inches

VSWR


Tr 1 S11 SWR 1.000U/ 1.00U
AV-265
1: 700.000 MHz 2.28
2: 1.055 GHz 1.39
3: 1.719 GHz 2.26
4: 3.700 GHz 1.68
5: 5.900 GHz 2.32
> 6: 6.000 GHz 2.70
>Ch1: Start 700.000 MHz
RF -5.00 dBm
Stop 6.00000 GHz

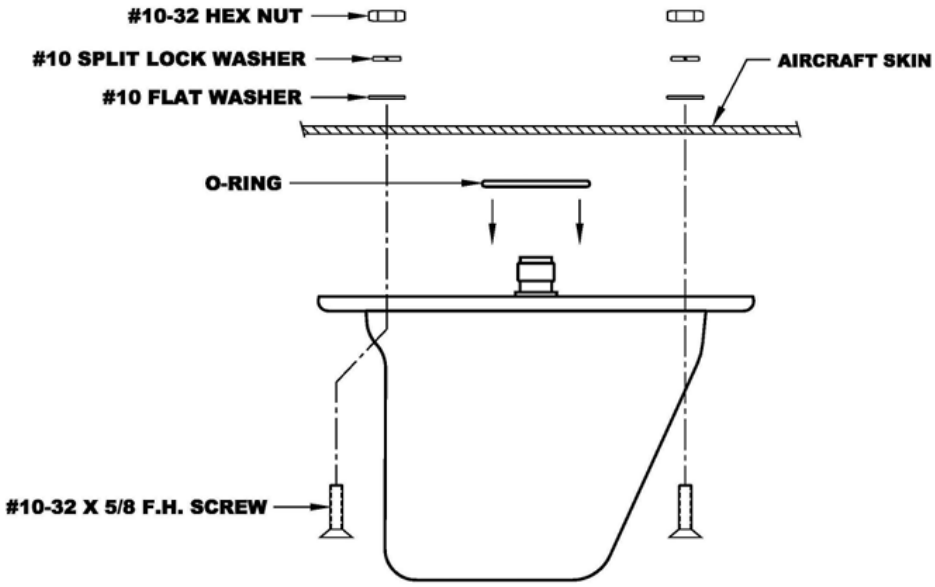
AV- 265 & AV-265(-GB) INSTALLATION INSTRUCTIONS
Transponder Antenna for General Aviation

1.) When possible, mounting locations should be at least 18” from any other metal protrusions and on as flat a surface as possible on the aircraft belly.

2.) Using the template provided, drill four mounting holes and one hole for the connector.

3.) Mount the antenna by placing the O-Ring provided into the groove in the antenna base. Insert mounting screws provided as shown below and tighten all mounting screws securely to provide good electrical contact.

4.) Connect the antenna to the aircraft radio using an RG-400 or similar 50 ohm coax cable with a TNC type male connector attached to the antenna end of the cable (not supplied). Terminate the other end of the cable with a suitable connector to mate with the aircraft radio.



Doc. #27-265-1
Rev.: -, Jan. 2021