



## SPECIFICATIONS

### ELECTRICAL:

<b>FREQUENCY:</b>	700 - 2700 MHz	
<b>RADIATION PATTERN:</b>	Omni-Directional	
<b>POLARIZATION:</b>	Vertical	
<b>VSWR:</b>	700-799 MHz	2.8:1 Max
	800-850 MHz	2.2:1 Max
	850-2700 MHz	2.0:1 Max
<b>IMPEDANCE:</b>	50Ω Nominal	
<b>ANTENNA GAIN (dBi):</b>	2ft G.P	4ft G.P
	+3.5 Nominal	+4.0 nominal
<b>POWER HANDLING:</b>	100W Continuous, 1000W Peak	

### MECHANICAL:

<b>SIZE:</b>	WIDTH: 1.76 in. [44.70 mm], LENGTH: 5.25 in [133.35 mm] HEIGHT: 4.07 in. [103.38 mm]
<b>WEIGHT:</b>	0.34 lbs (154g)
<b>FINISH:</b>	RADOME: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE: CHEMICAL CONVERSION COATING TO MIL-C-5541
<b>MATERIAL:</b>	BASE: 6061-T6 ALUMINUM ALLOY RADOME: NOVODUR® HH-112 ABS, IMPACT, ABRASION, UV SOLVENT & SKYDROL RESISTANCE AND FIRE RETARDANT
<b>CONNECTOR:</b>	TNC-F
<b>MOUNTING:</b>	FLAT FIXED MOUNT; O-RING & MOUNTING SCREWS ARE PROVIDED

### ENVIRONMENTAL:

<b>TEMPERATURE:</b>	-67 °F TO +185 °F [-55 °C TO +85 °C]
<b>ALTITUDE:</b>	55,000 ft.
<b>VIBRATION:</b>	10 G's
<b>SPEED:</b>	MACH 1
<b>SIDE LOAD:</b>	10 PSI

### FEDERAL & MILITARY SPECIFICATIONS:

**CERTIFIED TO:** FAA TSO-C74d, DO-160G

<b>FLIGHTCELL P/N:</b>	<b>DESCRIPTION:</b>	<b>MANUFACTURERS P/N:</b>	<b>COLOR:</b>
ANP_00033	Blade Cell Antenna 700-2700MHz White TSO Cert.	AV-289	GLOSS WHITE #17925 PER FED-STD-595B

NOTES: UNLESS OTHERWISE SPECIFIED:  
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]  
2. MOUNTING PAD AND SCREWS ARE SUPPLIED WITH ANTENNA

REV	DESCRIPTION	DATE	APPD
2.0	Corrected mounting hole size, added o-ring groove (FCN0721)	26/07/17	JG
1.0	Initial Drawing Release ( FCN0706).	18/10/16	JG

GENERAL LIMITS (UNLESS STATED)  
LINEAR: 0.XX +/- .015  
0.XXX +/- .005  
ANGLES: +/- 1°  
ALL DIMENSIONS IN INCHES



DO NOT SCALE OFF DRAWING  
IF IN DOUBT ASK!  
DRAWN: JG  
CHK'D: JG  
APPV'D: JW  
ORIGINAL SCALE: 1:1  
DRAWING SIZE: A3



#### PARTS LIST

QUANTITY REQD.	DESCRIPTION	PART NO	FINISH	ITEM NO
4	#10-32 x 5/8" MOUNTING SCREW	F1032X625SSP1-1		2
1	O-RING	SCD-458	-	1

**TITLE:** RAMI Blade Cell Antenna  
**PART NO:** ANP\_00033 **VERSION:** 2.0  
**PROJECT:** FLIGHTCELL DZMx  
**DWG NO:** DRW\_ANP\_004 **SHEET 1 OF 1**