



SPECIFICATIONS

ELECTRICAL:

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

MECHANICAL:

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

ENVIRONMENTAL:

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

FEDERAL & MILITARY SPECIFICATIONS:

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

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



TITLE:	RAMI Blade Cell Antenna		
PART NO:	ANP_00033	VERSION:	2.0
PROJECT:	FLIGHTCELL DZMx		
DWG NO:	DRW_ANP_004	SHEET	1 OF 1

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

PARTS LIST