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1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]  
NOTES: UNLESS OTHERWISE SPECIFIED:

### SPECIFICATIONS

**ELECTRICAL:**

FREQUENCY (MHz):	J1: C1-BAND (4400-4950 )	J3: S-BAND (2300-2500 )
PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN : 1ft GP	4 dB	4 dB (Fron t/Back), 2 dB (Sides)
ANTENNA GAIN : 4ft GP	6 dB	6 dB (Fron t/Back), 3 dB (Sides)
VSWR:	2.0:1	
OUTPUT IMPEDANCE:	50 Ω	
POWER HANDLING:	>50 watts	

**MECHANICAL:**

SIZE: WIDTH: 2.055 in. [52 mm], LENGTH: 5.25 in. [133 mm], HEIGHT: 1.982 in. [50 mm]  
 WEIGHT: 4.9 oz. (139g)  
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441  
 COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B  
 GLOSS WHITE #17925 PER FED-STD-595B  
 OLIVE DRAB GREEN #34031 PER FED-STD-595B  
 LUSTERLESS BLACK #37038 PER FED-STD-595B  
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
 THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE  
 CONNECTOR: TNC FEMALE CONNECTORS (OPTIONAL: SMA, N, BNC, TNC)

**ENVIRONMENTAL:**

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]  
 ALTITUDE: 70,000 ft.  
 VIBRATION: 10 G's  
 LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

4 SCREW, MOUNTING MS24693C273 - - - 2

2 O-RING MS28775-024 - - - 1

QUANTITY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
 TOLERANCES ARE:  
 FRACTIONS DECIMALS ANGLES  
 ± 1/64 ± .005 ± .001 ± 1°  
 TOLERANCE SYN PER ANSI Y14.5  
 REMOVE ALL BURRS  
 BREAK EDGES TO .005 TO .015  
 FILED SURFACES PER MIL-STD-883C  
 SITS ON A COMMON C. OF .005  
 MACHINED SURFACES

DO NOT SCALE DRAWING

**ANTCOM CORP.** TORRANCE, CALIFORNIA

OUTLINEDRAWING  
S/C1-BAND  
VIDEO/DATA LINK ANTENNA

DESIGNED BY: [ ]  
 DRAWN BY: [ ]  
 CHECKED BY: [ ]  
 APPROVED BY: S. HUYNH  
 Sep-05-09

REV: D  
 QTY: 3  
 SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas