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4.77 [121.16]

1.24 [31.60]

4.3 [10.80]

5.25 [133.35]

1.75 [44.45]

1.80 [45.72]

3.60 [91.44]

0.98 [24.89]

DATE STAMP APPROXIMATE LOCATION AS SHOWN

4X ϕ .20 [ϕ 5.11] ∇
 ∇ ϕ .385 [ϕ 9.78] X 100°
FARSIDE

O-RING GROOVE MS28775-024

OTHER CONNECTORS ARE OPTIONAL

TNC CONNECTOR (RED, VIDEO)

OTHER CONNECTORS ARE OPTIONAL

SMA MALE CONNECTOR (BLUE, DATA)

OTHER CONNECTORS ARE OPTIONAL

FLEXIBLE CABLE (12 in. LG)

1

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	DATA	VIDEO
PATTERN:	(902-928) MHz	(2200-2300) MHz
POLARIZATION:	OMNIDIRECTIONAL	OMNIDIRECTIONAL
ANTENNA GAIN:	VERTICAL	LHCP (-1), RHCP (-2)
BEAM WIDTH:	4.0 dB	3.7 dB
VSWR:	1/4 WAVE MONOPOLE	HEMISPHERICAL
OUTPUT IMPEDANCE:	2.0:1	2.0:1
POWER HANDLING:	50 Ω	50 Ω
FILTER:	5 watts	50 watts
	BAND PASS, 40 dB REJECTION @ (2200-2300) MHz	

MECHANICAL:

SIZE: WIDTH 1.75 in. [44.45 mm], LENGTH 5.25 in. [133.35 mm], HEIGHT 4.77 in. [121.16 mm]

WEIGHT: 9.6 oz. (0.27 Kg)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441

COLOR: GLOSS WHITE #17925 PER FED-STD-595B
LUSTERLESS GRAY #36320 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, BULKHEAD FEMALE (VIDEO, RED)
SMA MALE (DATA, BLUE)
OTHER CONNECTORS ARE OPTIONAL

ENVIRONMENTAL:

TEMPERATURE: -67°F TO +185F [-55°C TO +85°C]

ALTITUDE: 70,000 ft.

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

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

QUANTITY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REF
4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1	O-RING	MS28775-024	-	-	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES AND ANGLES

\pm 1/64	\pm .005	\pm 1°
\pm .002	\pm .005	\pm 1°

ANTCOM CORP TORRANCE, CALIFORNIA

OUTLINE DRAWING
L/S-BAND VIDEO/DATA LINK ANTENNA

APPROVED: S. HUYNH 00-03-01

DATE: 4/3/2016

SCALE: 1/1

SHEET 1 OF 1

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NMO Connector Option is Now Available for Some Antennas