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1.900 [48.26]
0.950 [24.13]
Ø3.500 [Ø88.90]
4X 0.20 [05.11]
✓ 0.385 [09.78] X 100'
for 10-32 MOUNTING SCREWS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(2484 - 2499) MHz
RADIATION PATTERN:	HEMISPHERICAL L
POLARIZATION:	LHCP
VSWR:	< 1.5:1
GAIN (dB):	4 ft G.P. Free Space
@ 90° (Zenith):	+4.6 +5.7
@ 10° Elevation (Ave):	-1.1 -2.4
@ 20° Elevation (Ave):	+2.2 -0.1
@ 30° Elevation (Ave):	+2.2 +1.6
@ 45° Elevation (Ave):	+3.4 +3.0
@ 70° Elevation (Ave):	+4.4 +5.0
Beam Width (3dB):	129° 98°
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

Mechanical:

SIZE: DIAMETER = 3.50 in. [88.90 mm]
HEIGHT = 0.583 in. [14.81 mm]

WEIGHT: 5.15 oz. (.146 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
COMPOSITE RADOME, IMPACT, ABRASION,
UV, SOLVENT AND SKYDROL RESISTANCE,
FIRE RETARDANT

CONNECTOR: TNC BULKHEAD CONNECTOR,
(OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX,
or Cable)

MOUNTING: FLAT FIXED MOUNT; GASKET &
4 x 10-32 MOUNTING SCREWS PROVIDED

ENVIRONMENTAL:

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

ALTITUDE: 70,000 ft.

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5441,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND
SAE J1455

MOUNTING SCREWS: 10-32, 3/4"

ADHESIVE GASKET

MS24693C274 - - 5

123456-3M-3G - - 3

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	NOTES
-2					

CONFIGURATION:

1: 2" SQ. (FLAT)	LL: TX: LHCP, RX: LHCP	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
2: 1.9" SQ. (FLAT)	LR: TX: LHCP, RX: RHCP	A1: WITH +34 dB LNA	X: NO CABLE	S: SMA; P: PINS	1: GLOSS WHITE #17925 PER FED-STD-595B
3: 2.6" DIA. (FLAT)	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	M: WITH MAG. MOUN T	M: MCX; MM: MMCX	2: LUSTERLESS GRAY #36320 PER FED-STD-595B
4: 3.5" DIA. (FLAT)	RR: TX: RHCP, RX: RHCP		#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
5: (HELIX ROD)			R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	4: LUSTERLESS BLACK #37038 PER FED-STD-595B
6: (HELIX BLADE)					
7: (HELIX HANDHELD)					

NAMEPLATE APPROXIMATE LOCATION

DATE STAMP

TNC BULKHEAD CONNECTOR (OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)

ANTCOM CORP. TORRANCE, CALIFORNIA

3.5" Dia. FLAT FIXED MOUNT
S-BAND LHCP ANTENNA

APPROVED: S. HLYNTH DEC-13-02

SCALE 1/1

NOTES: UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

P/N: 3G25LL-P-XTB-1

DO NOT SCALE DRAWING

SHEET 1 OF 1