



ELECTRICAL: SPECIFICATIONS

REVISIONS	
ZONE REV	DESCRIPTION DATE APPROVED
FREQUENCY: (2483 - 2500) MHz RADIATION PATTERN: HEMISPHERICAL POLARIZATION: RHCP OR LHCP (See P/N Below) VSWR: < 1.5:1	
GAIN (dB):	4 ft G.P. Free Space
@ 90° (Zenith):	+4.6 +5.1
@ 10° Elevation (Ave):	-1.1 -2.1
@ 20° Elevation (Ave):	+1.9 -0.3
@ 30° Elevation (Ave):	+2.6 +1.1
@ 45° Elevation (Ave):	+3.0 +2.6
@ 70° Elevation (Ave):	+4.0 +4.6
Beam Width (3dB):	139° 99°
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

LNA OPTION:

LNA GAIN:	N/A	(35 +/- 1) dB
LNA NOISE FIGURE:	N/A	2.8 dB
LNA VOLTAGE:	N/A	(+2.5 to +30) Volts DC FROM Rx RF CON.
LNA DRAWING CURRENT:	N/A	< 38 mA
FILTER (REJ. @ 1616 MHz):		57 dB

MECHANICAL:

SIZE: DIAMETER = 2.60 in. [66.04 mm]
 HEIGHT = 0.742 in. [18.85 mm]

WEIGHT: 5.15 oz. (146 g)

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

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 COMPOSITE RADOME, IMPACT, ABRASION,
 UV, SOLVENT, AND SKYDROL RESISTANCE,
 FIRE RETARDANT

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

MOUNTING: FLAT FIXED MOUNT: ADHESIVE GASKET &
 MOUNTING NUT 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-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND
 SAE J1455

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO.
	MOUNTING SCREWS: 10-32, 3/4"	J507C1032R12	-	-	5
	ADHESIVE GASKET	12345G-3M-3G	-	-	3
-2					1

CONFIGURATION:	POLARIZATION:	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
1. 2.6" DIA. (FLAT)	LL: LHCP	A1: WITH +34 dB LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
2. 1.8" DIA. (SQ.)		P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
3. 4" DIA. (CIR.)	RR: RHCP		N: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
4. (MINI ARCADE)			R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
53: (FLUX ROD)					
56: (FLUX BLADE)					
30: (WELD SHIELD)					

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

P/N: 2G25XX-X-MS-1

ANTCOM CORP. TORRANCE CALIFORNIA

2.6" Dia. FLAT MAGNETIC MOUNT
 S-BAND CP ANTENNA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 FRACTIONS DECIMALS ANGLES
 $\pm 1/64$.0005 .001 $\pm 1^\circ$
 TOLERANCE .010 PER ASH 174.5
 REMOVE ALL BURRS
 BREAK LITERAL EDGES .005 TO .015
 FILE ALL SHARP EDGES TO .005
 SOFTEN THREADS PER MIL-S-8879
 DAYS ON A CORNER 15/1
 MACHINED SURFACES 15/1
 DO NOT SCALE DRAWING

APPROVED: S. HUYNH DEC-13-02

SCALE 1/1

SHEET 1 OF 1