



FAA Approved Facility

(0.5 – 16)GHz 4G / 5G / LTE / GSM / WIFI / UHF / L / S / C / Ku-Band Antenna
 P/N: 2BR-0.50-16.00V-XS-2 (0.50-16.00 GHz); P/N: 2BR-1.62-15.35V-XS-2 (1.62-15.35 GHz)
 P/N: 2BR-0.50-3.00V-XS-2 (0.50-3.00 GHz); P/N: 2BR-0.50-6.00V-XS-2 (0.50-6.00 GHz)

Other Frequencies, Connector, Color and Mounting Options are Available

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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4X ϕ .201 [ϕ 5.11] THRU
 \checkmark ϕ .385 [ϕ 9.78] X 100"

5.250 [133.35]
 2.500 [63.50]
 R1.250 [R31.75]
 ϕ 2.500 [ϕ 63.50]
 ϕ 2.097 [ϕ 53.26]
 2.300 [58.42]
 .140 [3.56]
 ϕ .629 [ϕ 15.98]
 .980 [24.89]
 3.600 [91.44]

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

SPECIFICATIONS

ZONE	REV	REVISIONS		
		DESCRIPTION	DATE	APPROVED
A		BEAM WIDTH	02/07/16	S.H
B		PN/GAIN/VSWR	03/27/17	S.H

ELECTRICAL:

FREQUENCY (MHz):	UHF/GSM (700-960)	L-BAND (1625-2200)	S-BAND (2200-2500)	C-BAND (4400-4950) (5250-5850)	Ku-BAND (14.40-14.83)GHz (15.15-15.35)GHz
RADIATION PATTERN:	OMNIDIRECTIONAL				
POLARIZATION:	VERTICAL				
ANTENNA GAIN (dBil):					
2 ft GP:	+3.4dB	(+4 to +5)dB	+5dB	(+4 to +6)dB	(+7 to +9)dB
VSWR:	2 : 1				
IMPEDANCE:	50 Ω				
BEAM WIDTH (3dB), Elevation:	(40-70) Deg.				
BEAM WIDTH (3dB), Azimuth:	360 Deg.				
POWER HANDLING:	50 W				

MECHANICAL:

SIZE: LENGTH: 5.250 in. [133.35 mm], WIDTH: 2.500 in. [63.50 mm]
 HEIGHT: 2.300 in. [58.42 mm]

WEIGHT: 5.11 oz. (145 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-5541F TYPE II CLASS 1A (CLEAR)
 LUSTERLESS GRAY #36320 PER FED-STD-595B
 6061-T6 ALUMINUM ALLOY BASE
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE

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

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
 -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

ALTITUDE: 70,000 ft.

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: TSO-C169A/C144, DO-160D, D0-228, MIL-C-5541F, MIL-STD-461E/F, MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A, SAE J1455

FREQUENCY (GHz)	FINISH	POLARIZATION	CABLE'S LENGTH	CONNECTOR	COLOR
X.XX.XXX	A: WITH LNA	V: VERTICAL	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #7925 PER FED-STD-595B
	P: WITHOUT LNA	L: LEFT	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
		R: RIGHT	N: N; NB: N Bulkhead	T: TNC; TB: TNC- Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
			R: RIGHT ANGLE CON.		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
					-5: DESERT TAN #33446 PER FED-STD-595B

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
1	O-RING	MS28776-25, ITEM 553-025			1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE DECIMALS ANGLES ARE DEGREES ± 1/64 .005 .015 .030 .015 ± .1° TOLERANCE DIM PER ANS Y14.5 REMOVE ALL BURRS BREAK EXTENDED EDGES .005 TO .015 FILES IF REQ. TO 5.0 SCREW THREADS PER MIL-C-8879 DIMS ON A CENTER L27-000 MACHINED SURFACES V

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

4G/LTE/GSM/WIFI/UHF
 L/S/C/Ku-Band
 VIDEO/DATA LINK ANTENNA

DATE: 03/27/17
 DRAWN BY: S. HUYNH
 CHECKED BY: S. HUYNH
 APPROVED BY: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1