



ISO 9001:2008/FAA Approved Facility

S-Band + Ku-Band & LSC-Band + Ku-Band Antenna
 P/N: 5BR-2.0-2.5-14.7-16.0VV-XTT-2 ((2.0-2.5)/(14.7-16)GHz)

P/N: 5BR-LSC-14.7-16.0VV-XTT-2 ((1.7-6.0)/(14.7-16)GHz)

Other Frequencies, RF Ports, and Polarization are Available

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



FAA Approved
TSO Antennas

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P/N: 5BR-2.0-2.5-14.7-16.0VV-XTT-2

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA, BNC: BNC	-1: GLOSS WHITE #17925 PER FED-STD-595B
#: CABLE LENGTH (IN)	T: TNC, TB: TNC-BLK	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: RIGHT ANGLE CON.	N: N, NB: N-BLK	-3: CAMO GREEN #34094 PER FED-STD-595B
		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: DESERT TAN #33446 PER FED-STD-595B

NOTES: UNLESS OTHERWISE SPECIFIED:

SPECIFICATIONS

ZONE	REVISIONS			
	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	J1: S-Band	J2: Ku-Band
FREQUENCY (MHz):	PCS, 802.11b, 802.11g, WiFi, Bluetooth, Hotspot (2000-2500)	(14700-16000)
RADIATION PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN (1ft GP):	4 dB	5 dB
ANTENNA GAIN (4ft GP):	5 dB	5 dB
VSWR:	2.0:1	
OUTPUT IMPEDANCE:	50 Ω	
POWER HANDLING:	150 W	50 W
LIGHTNING PROTECTION:	DC GROUNDED	

MECHANICAL:

SIZE: WIDTH: 2.055 in. [52 mm], LENGTH: 5.25 in. [133 mm], HEIGHT: 4.876 in. [123.85 mm]

WEIGHT: 9.3 oz. (264 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5541

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
(OPTION: 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

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
4	SCREW, MOUNTING	MS24693C273, ITEM 583	-	-	2
					1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO DECIMALS ANGLES ± 1/64 ± .002 ODD	ORIGINALLY DRAWN S. HUYNH April-21-15	ORIGINALLY DESIGNED S. HUYNH April-21-15	ANTCOM CORP. TORRANCE CALIFORNIA	
TOLERANCE 5M PER ANSI Y14.5	UPDATED S. HUYNH May-14-15	UPDATED P. TRAN May-14-15	OUTLINE DRAWING S-BAND & Ku-BAND VIDEO/DATA LINK ANTENNA	
SIZE 3/8" DIA. HOLES .000 TO .015	APPROVED S. HUYNH May-14-15			
SIZE 1/8" DIA. HOLES .000 TO .015				
SIZE 1/16" DIA. HOLES .000 TO .015			DWG NO: 3CVE1 SCALE: 1/1	SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas