



ISO 9001:2008/FAA Approved Facility

Ku-Band Antennas

P/N: 2B-8.0-14.0V-P-XS-2 or P/N: 2BR-8.0-14.0V-P-XS-2 (8.0-14.0 GHz), Vertical
 P/N: 2BR-14.5-15.35V-P-XS-2 (14.5-15.35 GHz), Vertical
 P/N: 2BR-14.5-15.35VH-P-XS-2 (14.5-15.35 GHz), Vertical/Horizontal and (RHCP/LHCP)
 Other Frequencies and Mounting Foot Prints Are Available

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



FAA Approved
TSO Antennas

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O-RING
MS28775-024
OD Ø1.278
ID Ø1.090

SMA FEMALE CONNECTOR

SPECIFICATIONS

ELECTRICAL:

P/N:	2BR-14.5-15.35V-P-XS-2	2BR-14.5-15.35VH-P-XS-2
FREQUENCY:	(14.4 - 15.35) GHz	(14.4 - 15.35) GHz
PATTERN:	OMNIDIRECTIONAL	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL	VERTICAL/HORIZONTAL and RHCP/LHCP
ANTENNA GAIN:	>2dB	>2dB
VSWR:	1.5:1	1.5:1
OUTPUT IMPEDANCE:	50 Ω	50 Ω
POWER HANDLING:	150 watts	150 watts

MECHANICAL:

SIZE: WIDTH: 2.062 in. [52.4 mm], LENGTH: 5.25 in. [133.3 mm]
 HEIGHT: 2.35 in. [59.7 mm]

WEIGHT: 3.2 oz. (90.7g)

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

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: SMA FEMALE CONNECTOR

ENVIRONMENTAL:

TEMPERATURE: -80°F TO +185°F (-68°C TO +68°C)

ALTITUDE: 70,000 ft.

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

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

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

ZONE	REV	DESCRIPTION	DATE	APPROVED
B	1	REVISED SCREWS TO PANHEAD	06/29/14	S.H

REV	DESCRIPTION	DATE	APPROVED
4	PANHEAD SCREW, 10-32 X 3/4 L	91737A256, Item 587p3	-
2	O-RING	MS28775-024	-

QTY	DESCRIPTION	PARTS LIST	MATERIAL	REV
4	PANHEAD SCREW, 10-32 X 3/4 L	91737A256, Item 587p3	-	2
2	O-RING	MS28775-024	-	1

FREQUENCY:	POLARIZATION:	LNA:
Ku: (14-18) GHz	QSM: (810-896) MHz	V: VERTICAL
X: (8-12) GHz	QB: (0.810-2.5) GHz	H: HORIZONTAL
C: (4.4-5.9) GHz	WB: (0.810-5.9) GHz	R: RHCP
24: (2.4-2.5) GHz	UB: (0.40-0.810) GHz	L: LHCP
L: (1.6-2.0) GHz	VH: VERTICAL/HORIZONTAL or (RHCP/LHCP)	

P/N: 2BR-X.XX-Y.YYV-P-XS-2

CABLE LENGTH:	UNIT/Other-Brand CON.	COLOR:
NO CABLE	S: SMA; Q: QMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
W/ W/ MAG. MOUNT	M: MMCX; MM: MMCCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
W/ CABLE LENGTH (IN)	U: N/A; B: BNC	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: T; TNC; TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 32nds ANGLES ± 1° TOLERANCE SW PER ANSI Y146 RELEASE ALL SURFS BREAK EXTERNAL EDGES .005 TO .015 FILES & LOG TO R1.000 SCREW THREADS PER MIL-S-8879 DATE OF A CHANGE 6/9/00 MACHINED SURFACES 1/2° DO NOT SCALE DRAWING

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ANTCOM CORP. TORRANCE, CALIFORNIA

Ku-BAND AIRBORNE ANTENNA

REV	DATE	BY	CHKD	APP'D
D	3C/VE1	S. HUYNH	S. HUYNH	S. HUYNH

2BR-X.XX-Y.YYV-P-XS-2

SCALE 1/1 SHEET 1 OF 1