



FAA Approved Facility

Ku-Band Antenna

P/N: 3G14.40-15.35RR-P-XTC-1 (14.40-15.35 GHz), RHCP; P/N: 3G14.40-15.35LL-P-XTC-1 (14.40-15.35 GHz), LHCP
 P/N: 3G14.40-15.35VV-P-XTC-1 (14.40-15.35 GHz), Vertical; P/N: 3G14.40-15.35HH-P-XTC-1 (14.40-15.35 GHz), Horizontal



Other Frequencies, Connectors and Mounting Foot Prints Are Available

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

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

Other Frequencies, Antenna Sizes, Connectors/Locations, and Mounting Configurations are Available

NMO Connector is Now Available for Some Antennas

Top View: Diameter $\varnothing 3.500$ [88.90], Square 1.900 [48.26] SQ. Mounting holes: $4 \times \varnothing .201$ [$\varnothing 5.11$] THRU $\varnothing .385$ [$\varnothing 9.78$] X 100° .

Side View: Diameter $R6.000$ [R152.40], Height $.592$ [15.04].

Bottom View: O-RING P/N: 2-031/N756-75, Diameter 23.84 , Square 1.900 [48.26] SQ. Mounting holes: $4 \times 10-32$ UNF $.150$ DEEP (FOR EXTRA MOUNTING OPTION).

SPECIFICATIONS

REVISIONS	
ZONE	REV
A	ULTEM RADOME
B	STD 3G RADOME

ELECTRICAL:

FREQUENCY:	Ku-Band (14.40-15.35) GHz	
RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	RHCP	
VSWR:	2.0:1	
GAIN (dB):	4 ft G.P.	Free Space
@ 90° (Zenith):	+4.6	+6.1
@ 10° Elevation (Ave):	-1.1	-2.4
@ 20° Elevation (Ave):	+2.2	-0.3
@ 30° Elevation (Ave):	+2.2	+1.0
@ 45° Elevation (Ave):	+3.4	+2.9
@ 70° Elevation (Ave):	+4.4	+5.3
Beam Width (3dB):	90°	88°
AXIAL RATIO @ Zenith:	3.0 dB	
IMPEDANCE:	50 Ohms	
POWER HANDLING:	200 Watt	
DC GROUNDING:	YES (LIGHTNING PROTECTION)	

MECHANICAL:

SIZE: DIAMETER = 3.50 in. [88.90 mm]
 HEIGHT = 0.592 in. [15.04 mm]

WEIGHT: 3.0 oz. (85 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE ROHS IRIDIUM PER MIL-C-5541 Class 1A and Class 3

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

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

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +203 °F [-55 °C TO +95 °C]
 ALTITUDE: 70,000 ft.
 VIBRATION: > 30 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

SIZE:	(START - END) FREQ.	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1.25 - 1.35 GHz	LL: LHCP	A1: WITH +23 dB LNA	
1.8: 1.9" SQ.	1.35 - 1.45 GHz	RR: RHCP	A2: WITH +43 dB LNA	
2: 2.6" DIA.	2.00 - 2.30 GHz		P: WITHOUT LNA	
3: 3.5" DIA.	2.20 - 2.40 GHz			
4: MINI ARINC	2.40 - 2.50 GHz			
	XXX - Y.YY GHz			

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

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
4	MOUNTING SCREWS: 10-32, 3/4"	MS24693-C274			3
1	O-RING	2-031/N756-75			1

ANTCOM CORP. TORRANCE, CALIFORNIA

3.5" Dia. FLAT FIXED MOUNT
 Ku-BAND ANTENNA

SCALE 1/1 SHEET 1 OF 1

P/N: 3G14.40-15.35RR-P-XTC-1

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM; MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: CABLE LENGTH (IN)	N, NB: N, N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
	T, TB: TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: TAN #33446 PER FED-STD-595B

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 NOTES: UNLESS OTHERWISE SPECIFIED: