



(UHF+GSM) & (UHF+S-Band/Wifi) Antenna

P/N: 13IR0.40-0.47-0.90-0.93-XTT-UU

((400-470)MHz/(900-930) MHz)

P/N: 13IR0.40-0.45-2.0-2.5-XTT-U-20ISO

((400-450)MHz/(2000-2500) MHz)

P/N: 9.8IR040045-2025-XTT-U-20ISO

((400-450)MHz/(2000-2500) MHz), 9.8in



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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SPECIFICATIONS

ZONE	REVISIONS			
	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	UHF	S
FREQUENCY (MHz):	(400-450)	(2,000-2,500)
GAIN (dBic) in FS		
@ 90° (Zenith):	-2 dBic	+3 dBic
@ 10° Elevation:		
@ 20° Elevation:		
@ 30° Elevation:		
@ 45° Elevation:		
@ 70° Elevation:		
RADIATION PATTERN:	OMNIDIRECTIONAL	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL	VERTICAL
VSWR:	3:1	2:1
DC GROUNDING:	YES (LIGHTNING PROTECTION)	

MECHANICAL:

SIZE: DIAMETERS = 1.36in [35mm], 2.6in [64mm]
HEIGHT = 14.974 in. [380.3 mm]

WEIGHT: 12.5 oz. (354.4 g)

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

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

CONNECTOR: TNC FEMALE CONNECTOR
(OPTION: TNC, SMA, N, N Bulkhead, BNC)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE: 70,000 ft.
VIBRATION: > 30 G's
WIND SPEED: > 135 Miles/hr
LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

P/N: 13IR0.40-0.45-2.0-2.5-XTT-U-20ISO

1. 32RMS SURFACES ARE FOR O-RING SEALING SURFACE
NOTES: UNLESS OTHERWISE SPECIFIED:

CONFIGURATION:	FREQUENCY:	POLARIZATION:	LNA:	CONNECTOR:	COLOR:
53: (HELIX ROD)	IR; IRIDIUM	LL; TX; LHCP, RX; LHCP	A1: WITH +34 dB LNA	S: SMA; P: PINS	-U; TEFLON COATED
5B: (HELIX BLADE)	L1L2; L1L2 GPS	LR; TX; LHCP, RX; RHCP	P: WITHOUT LNA	M: MCC; MM; MMCX	-1: GLOSS WHITE #17925 PER FED-STD-595B
3D: (HELIX HANDHELD)	0.25; UHF(240-270) MHz	RL; TX; RHCP, RX; LHCP		N: N; NB; N-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
13: (HELIX Sextant Port)	0.40-0.45; UHF(400-450) MHz	RR; TX; RHCP, RX; LHCP		T: TNC; TB; TNC- Bulkhead	-3: OLIVE DRAB GREEN #3403T PER FED-STD-595B
15: (HELIX Sextant Port)	2.0-2.5; C(2.0-2.5) GHz	V: VERTICAL, H: HORIZONTAL		B: BNC Female	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

QTY	DESCRIPTION	PART NO	FINISH	NEW
1				1
-1				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS TOLERANCES AND ANGLES
± 1/64 .005 ± .005 ± 1°

TOLERANCE 5VM PER ANG V14.5
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
SMOOTH BURRS PER MIL-S-8879
DAYS ON A CORNER 6 ± .005
MACHINED SURFACES 12/

DO NOT SCALE DRAWING

ORIGINAL DRAWN	S. HUYNH Dec-17-14
ORIGINAL DESIGNED	S. HUYNH Dec-17-14
UPDATED	S. HUYNH April-07-17
UPDATE DRAWN	P. TRAN April-07-17
APPROVED	S. HUYNH April-07-17

ANTCOM CORP. TORRANCE, CALIFORNIA

UHF + S-BAND ANTENNA

REV	DATE	DESCRIPTION	BY
D	30VE1	13IR0.40-0.45-2.0-2.5-XTT-U-20ISO	HT

SCALE 1/1 SHEET 1 OF 1