VHF/UHF/5G/LTE/WIFI/L/S-Band Antenna

P/N: 3BE-0.10-2.70XT-2-100MHz (0.10 - 2.70 GHz)

For Cellular, PCS, 2G, 3G, 4G, 5G, LTE, CDMA, GSM, Wi-Fi & UMTS Applications

Other Frequencies, Connectors and Colors are Available

FAA Approved
TSO Antennas

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

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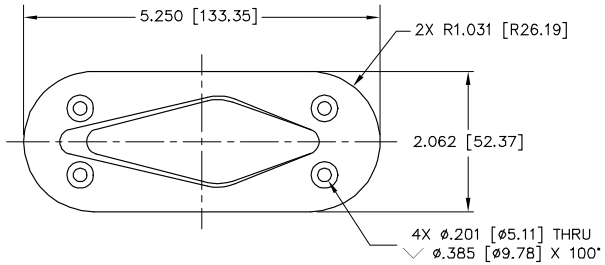

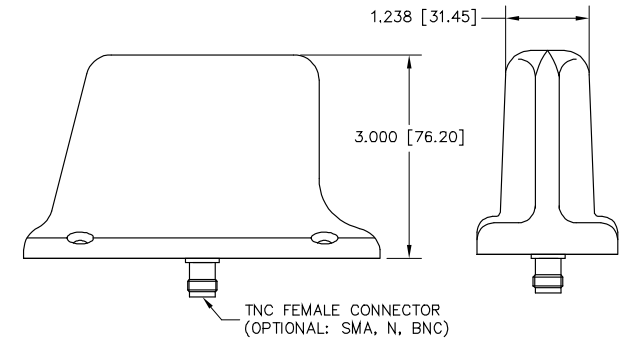

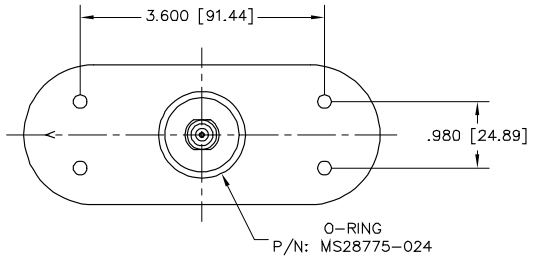

SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	UHF	GSM/WIFI/L/S-BAND
FREQUENCY (MHz):	(100-500)	(690-960)/ (1700-2200)/ (2300-2700)
RADIATION PATTERN:		OMNIDIRECTIONAL
POLARIZATION:		VERTICAL
ANTENNA GAIN (dBil):	(-21 to -10)	(+3 to +4)
VSWR:	(2 to 4) : 1	690 MHz = 3.0:1, 850 MHz = 2.2:1, >960 MHz = 1.5:1
IMPEDANCE:		50 Ω
POWER HANDLING:		100 watts CW
LIGHTNING PROTECTION:		DC GROUNDING

MECHANICAL:

SIZE:	WIDTH: 2.062 in. [52.37 mm], LENGTH: 5.250 in. [133.35 mm], HEIGHT: 3.000 in. [76.20 mm]
WEIGHT:	5.3 oz. (150g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE
CONNECTOR:	TMC FEMALE (OPTIONAL: SMA, N, BNC)

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:

FAA TSO C160a, FAA TSO-C144, DO-160D (ENV/EMI), DO-228 (ENV/EMI), MIL-C-5541F, MIL-PRF-39012 (CONN), MIL-STD-810G (ENV/EMI), MIL-HDBK-5400 (ELEC), MIL-STD-464C (ELEC MAG), MIL-STD-130N-1 (ID), MIL-STD-889B (METAL), RCC-319-14 (TERMINATION) , RCC-324-01(SAFETY), SAE J1455 (AUTO), MIL-STD-1472 (DOD), MIL-I-45208A, AND NAS411-1 (HAZ)

START FREQ. (GHz):	STOP FREQ. (GHz):	DC BLOCK/LIMITTER:	CONNECTOR:	COLOR:
X , XX	Y , YY	DL: WITH DC BLOCK	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
0.22, 0.31, 0.35, 0.37,	0.31, 0.35, 0.37, 0.40,	& WITH LIMITTER	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
0.40, 0.42, 0.45, 0.47,	0.41,0. 42, 0.45, 0.47,	BLANK: WITHOUT DC	N: N/N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
0.70, 0.80, 0.99, 1.30	0.70, 0.80, 0.99, 1.40	BLOCK OR LIMITTER	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
1.50, 1.60, 1.70, 1.80	1.55, 1.65, 1.75, 1.85		BNC: BNC	-5: DESERT TAN #33446 PER FED-STD-595B
1.99, 2.40, 2.70	1.99, 2.50, 2.70			

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ITEM NO	QUANTITY REQD	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH
		PARTS LIST				
4		SCREW, MOUNTING	MS24693C273	-	-	-
1		O-RING	MS28775-024	-	-	-

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX± .05 .XXX± .025, ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 RADIUS IN CORNERS .010 R .030
SCREW THREADS PER MIL-S-8879
DIA'S ON A COMMON ℄ ⌀.005 M A B
MACHINED SURFACES 125/
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	April-12-16
ORIGINALLY DESIGNED	S. HUYNH	April-12-16
UPDATED	S. HUYNH	Feb-17-17
UPDATE DRAWN	P. TRAN	Feb-17-17
APPROVED	S. HUYNH	Feb-17-17

ANTCOM CORP. TORRANCE, CALIFORNIA

OUTLINE DRAWING
VIDEO/DATA LINK ANTENNA

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	3BE-0.10-2.70XT-2-100MHz	—

SCALE 1/1 SHEET 1 OF 1