



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



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

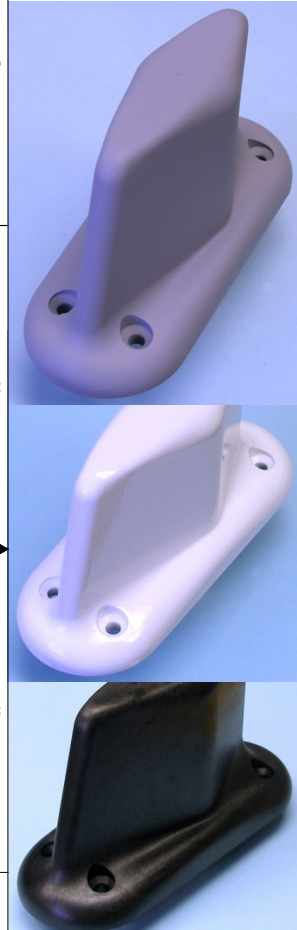
ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

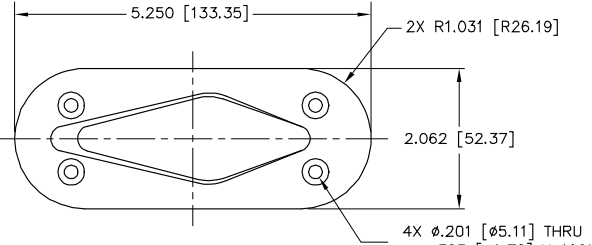
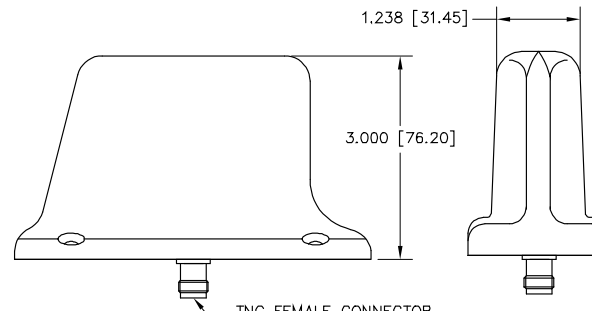
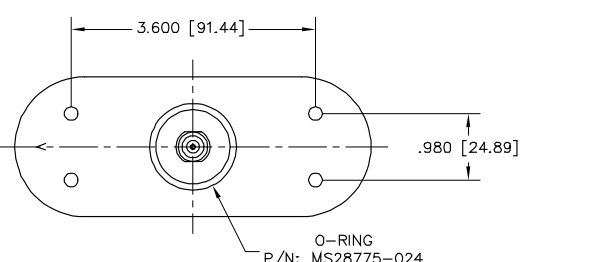
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SPECIFICATIONS

REVISIONS	
ZONE	DESCRIPTION

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ELECTRICAL:

	UHF	GSM/WIFI/L/S-BAND
FREQUENCY (MHz):	(100-500)	(690-960)/(1700-2200)/(2300-2700)
RADIATION PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN (dBi):	(-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)

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

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QUANTITY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REF NO
4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1	O-RING	MS28775-024	-	-	-	1

ANTCOM CORP. TORRANCE, CALIFORNIA

OUTLINE DRAWING
VIDEO/DATA LINK ANTENNA

DATE: 3/27/17
 DRAWN BY: S. HUYNH
 CHECKED BY: P. TRAN
 APPROVED BY: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1

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UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 FRACTIONS 32nds ANGLES
 ± 1/64 DEC 000 ± 1'

TOLERANCE 6M PER ANSI Y14.5
 BREAK ALL SHARP
 BREAK EXTERNAL EDGES TO 0.015
 FILED R COR TO R COR
 SREW THREADS PER UNF-5899
 DIM'S ON A DIMENSION < 2.000
 MACHINED SURFACES 125

DO NOT SCALE DRAWING

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