



UHF, GSM/PCS/L-Band, L/S, S, C, X, or Ku-Band Antenna,

P/N: 5B-0.810-5.85P-XS-2 (0.810-5.85 GHz, Vertical)

P/N: 5B-4.40-5.85R-P-XS-2 (4.40-5.85 GHz, RHCP)

P/N: 5B-2.40-2.50P-XS-2-5dB (2.40-2.50 GHz, 5 dB Gain), P/N: 5B-4.40-5.85P-XS-2-6dB (4.40-5.85 GHz, 6 dB Gain)

Other Frequencies, Polarization, Connector, and LNA Options are Available

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

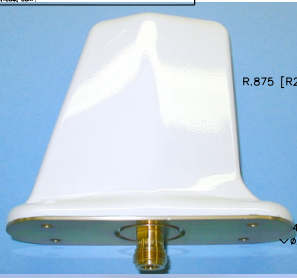


FAA Approved TSO Antennas

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R.875 [R22.23]

4x.201 [.95.11] Thru
√.385 [.99.78] X 100°

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

| SIZE: | START FREQ. (GHz) | STOP FREQ. (GHz) | OTHER BAND: | CABLE'S LENGTH: | CONNECTOR: | COLOR: |
|--------------------|------------------------|------------------------|--------------------|----------------------|---------------------------|--|
| 1: 2" SQ. | 116, 225, 310, 350 | 310, 350, 370, 400 | L: L-Band | X: NO CABLE | S: SMA; P: PINS | -1: GLOSS WHITE #17925 PER FED-STD-595B |
| 1.9" 1.9" SQ. | 370, 400, 425, 450 | 410, 425, 450, 470 | S: S-Band | M: WITH MAG. MOUNT | M: MCX; MM: MMCX | -2: LUSTERLESS GRAY #36320 PER FED-STD-595B |
| 2: 2.6" DIA. | 470, 500, 820, 990 | 500, 532, 820, 990 | C: C-Band | #: CABLE LENGTH (IN) | N: N/N-Bulkhead | -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B |
| 3: 3.5" DIA. | 1,30, 1,50, 1,60, 1,70 | 1,40, 1,55, 1,65, 1,75 | LS: (1700-2200)MHz | R: RIGHT ANGLE CON. | T, TB: TNC, TNC- Bulkhead | -4: LUSTERLESS BLACK #37038 PER FED-STD-595B |
| 4: MINI ARINC | 1,80, 1,99, 2,20, 2,40 | 1,85, 1,99, 2,50 | SC: S/C-Band | | | |
| 5B: Blade, 53; Rod | | | | | | |

SPECIFICATIONS

ELECTRICAL:

| | Cellular, GSM, ISM, WLAN, RFID | PCS, 802.11b, 802.11g, WiFi, Bluetooth, Hotspot | 802.11a, WiFi, ISM |
|-------------------|--------------------------------|---|--------------------------------|
| FREQUENCY (MHz): | UHF (810-960) | L/S-BAND (1610-1850-2400-2500) | S-BAND (2400-2500) (4400-5850) |
| PATTERN: | OMNIDIRECTIONAL | | |
| POLARIZATION: | VERTICAL | | |
| ANTENNA GAIN : | > 2 dB | | |
| VSWR: | 2.0:1 | | |
| OUTPUT IMPEDANCE: | 50 Ω | | |
| POWER HANDLING: | >50 watts | | |

MECHANICAL:

SIZE: WIDTH 1.75 in. [44.45 mm], LENGTH 5.25 in. [133.35 mm], HEIGHT 4.625 in. [117.48 mm]

WEIGHT: 9.6 oz. (0.27 Kg)

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

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

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:

DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

REVISIONS

| ZONE | REV | DESCRIPTION | DATE | APPROVED |
|------|-----|-------------|------|----------|
| | | | | |

4 SCREW, MOUNTING MS24693C273 -- -- -- 2

1 -- -- -- -- -- 1

-1 DESCRIPTION PART NO SPECIFICATION MATERIAL FINISH TYP

QUANTITY PARTS LIST

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

REMOVE ALL BURRS. BREAK CHAMFER EDGES .005 TO .015. FILED & .005 TO R .015. SMOOTH ENDS. PER MIL-D-38719 DIA'S ON A COMMON & .005 DIA. MACHINED SURFACES .005

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

OUTLINE DRAWING
UHF/L/S/C-BAND
VIDEO/DATA LINK ANTENNA

APPROVED: S. HUYNH 05-17-01

SCALE 1/1

SHEET 1 OF 1

4 3 2 1

7 6 5 4 3 2 1

NMO Connector Option is Now Available for Some Antennas