



FAA Approved Facility

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

Antenna Mounts: <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>

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY PROHIBITED UNLESS YOU HAVE BEEN GRANTED WRITTEN PERMISSION BY ANTCOM CORP. ANY OTHER USE IS EXPRESSLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

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) C-BAND (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

5.250 [133.35]

1.750 [44.45]

R.875 [R22.23]

4xø.201 [ø5.11] Thru ø.385 [ø9.78] X 100°

1.244 [31.60]

4.625 [117.48]

SMA FEMALE CONNECTOR

3.600 [91.44]

.980 [24.89]

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE:	START FREQ. (GHz)	STOP FREQ. (GHz)	OTHER BAND:
1: 2" SQ.	116, 225, 310, 350	310, 350, 370, 400	L: L-Band
1.9: 1.9" SQ.	370, 400, 425, 450	410, 425, 450, 470	S: S-band
2: 2.6" DIA.	470, 500, 820, 990	500, 532, 820, 990	C: C-Band
3: 3.5" DIA.	1.30, 1.50, 1.60, 1.70	1.40, 1.55, 1.65, 1.75	LS: (1700-2200)MHz
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			

P/N: 5B-0.810-5.85P-XS-2

4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1			-	-	-	1
-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	QTY

ANTCOM CORP. TORRANCE, CALIFORNIA

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

ENGINEER: S. HUYNH
APPROVED: 05-17-01

SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas