



ISO 9001:2008/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)

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

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



FAA Approved
TSO Antennas

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>

7 6 5 4 3 2 1

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA IN WHOLE OR IN PART TO ANY OTHER PARTY WITHOUT WRITTEN CONSENT OF ANTCOM CORP. IS STRICTLY PROHIBITED WITHOUT WRITTEN CONSENT OF ANTCOM CORP.

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

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 IRIDIUM 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

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

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS SHALL BE IN 16ths UNLESS NOTED OTHERWISE
± 1/64" UNLESS OTHERWISE SPECIFIED
TOLERANCES SHOWN PER ANSI Y14.5
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .003 TO .015
FILES & .005 TO .010
SLOPE .005 PER .010
MACHINED SURFACES 125
DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA
OUTLINE DRAWING
UHF/L/S/C-BAND
VIDEO/DATA LINK ANTENNA
APPROVED: S. HUYNH 08-17-01
D 3CVE1 5B-0.81-5.85P-XS-2
SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas