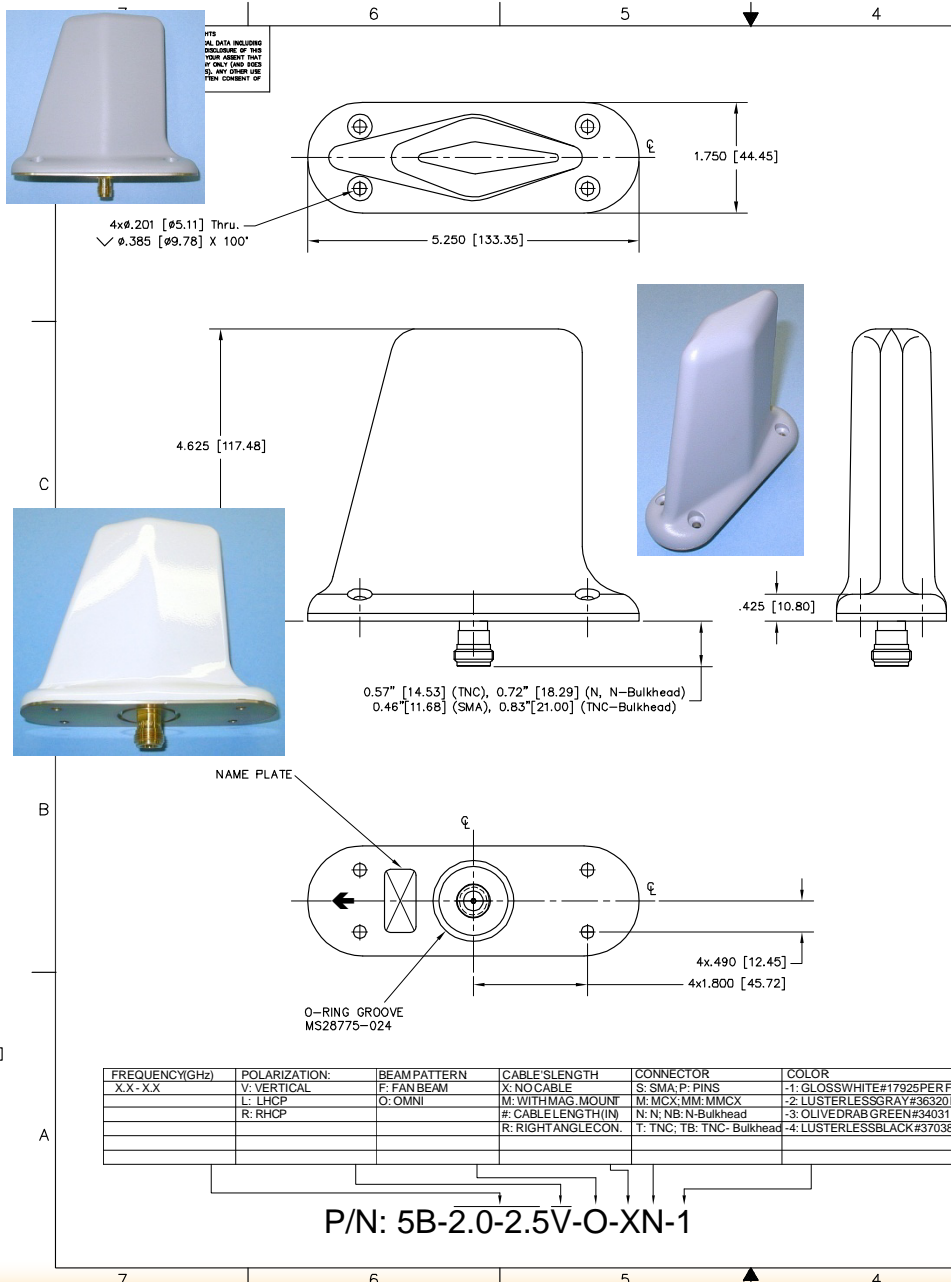


(2.0-2.5) GHz S-Band Omni Antenna, P/N: 5B-2.0-2.5V-O-XN-1, 4.6' Tall Blade Configuration



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>



SPECIFICATIONS

ELECTRICAL:	
FREQUENCY:	(2.000 - 2.500) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	3 dBi
Elevation Beam Width (3dB):	(40 to 54) °
Azimuth Beam Width (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

MECHANICAL:

SIZE:	WIDTH: 1.75 in. [44.45 mm], LENGTH: 5.25 in. [133.35 mm], HEIGHT: 4.63 in. [117 mm]
WEIGHT:	10.0 oz. (284g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL TOP, BASE IRIDITE PER MIL-C-5441
COLOR:	GLOSS WHITE #17925 PER FED-STD-595B LUSTERLESS GRAY #36320 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 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	N TYPE CONNECTOR (OPTION: TNC, SMA, N Bulkhead, MCX, MMCX, or Cable)
MOUNTING:	FIXED MOUNT: FROM TOP

ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	70,000 ft.
VIBRATION:	> 20 G's
LEAKAGE:	HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO:	FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455
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QUANTITY REQD	DESCRIPTION	PARTS LIST	PART NO	FINISH	ITEM NO
3	MOUNTING SCREWS:10-32 100 °, Flat Head, 1/2"		MS24693C273	-	5
1	O-RING		MS28775-024	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		ANTCOM CORP. TORRANCE, CALIFORNIA	
FRACTIONS	DIGITALS	S-BAND	
± 1/64	.005 .015 .005	3dB OMNI BLADE ANTENNA	
TOLERANCE 51M PER ANSI Y14.5		DESIGNED	DATE
REWORK: ALL SURFACES BEFORE EXTERNAL EDGES .005 TO .015 IF NOT SPECIFIED		CHECKED	
SCREW THREADS PER MIL-S-8879 SAY'S ON A COOPER C-22-006		ENGINEER	
MACHINED SURFACES		APPROVED	
DO NOT SCALE DRAWING		S. HUYNH SEP-14-06	DATE
		CAP FILE NO	

P/N: 5B-2.0-2.5V-O-XN-1