



ISO 9001:2008/FAA Approved Facility

VRC-99/CDMA/PCS/L-Band Antenna, P/N: 3B-1.3-2.0V-O-XN-1-OFFSET Rev B (1.3–2.0 GHz)

P/N: 3B-0.8-2.5V-O-XN-1-OFFSET Rev B (0.8–2.5 GHz)

P/N: 3B-0.8-5.8V-O-XN-1-OFFSET Rev B (0.8–5.8 GHz)

3” Tall Blade Configuration. Other Frequencies Are Also Available

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



FAA Approved
TSO Antennas

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(1.300 - 2.000) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	5.5 dBil
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: 2.06 in. [52.2 mm], LENGTH: 5.25 in. [133.35 mm], HEIGHT: 3.062 in. [77.8 mm]

WEIGHT: 10.0 oz. (284g)

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

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, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

REVISIONS	
ZONE	REV
B	1
	2

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1	O-RING	MS28775-024	-	1

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