






P/N: 103-2.40-2.50V-XDGO-UU-5dB

### SPECIFICATIONS

ELECTRICAL:	
FREQUENCY:	(2.40-2.50) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	2.0:1
GAIN (dB):	(3 to 5) dB
ELE. BEAM WIDTH:	DIPOLE
AZ. BEAM WIDTH:	360 deg.
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt

  

MECHANICAL:	
SIZE:	BASE DIAMETER = 3.56 in. [ 90.5 mm], HEIGHT = 10.00 in [254.00mm]
WEIGHT:	1.75 lbs. (798 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT
CONNECTOR:	DGO FEMALE (OPTION: SMA, TNC, N, BNC)

  

ENVIRONMENTAL:	
TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	70,000 ft.
VIBRATION:	> 30 G's
LEAKAGE:	HERMETICALLY SEAL

  

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
ACCEPTANCE TEST PROCEDURE:	ATP-GPS-1.1L2-100

ZONE	REV	DESCRIPTION	DATE	APPROVED
A		VSWR 2:1	11/14/14	S.H.
B		ANTENNA HEIGHT	05/15/15	S.H.

  

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
3		SCREW, 10-32, 3.5"L (Item 544-325)		

  

PARTS LIST				
QTY	DESCRIPTION	PART NO	MATERIAL	REV
1	SCREW, 10-32, 3.5"L (Item 544-325)	91771A844		1

  

POLARIZATION:		CONNECTOR:		COLOR:	
V: VERTICAL	S: SMA; P: PINS	T: TNC; TB: TNC-Bulkhead	DGO: DGO	-1: GLOSS WHITE #17925 PER FED-STD-595B	
L: LHCP	M: MCX; MM: MMCX			-2: LUSTERLESS GRAY #36320 PER FED-STD-595B	
R: RHCP	N: N; NB: N-Bulkhead			-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B	
				-4: LUSTERLESS BLACK #37038 PER FED-STD-595B	
				-5: TAN #33446 PER FED-STD-595B	
				UU: Gray Color Teflon Coating	

  

FREQUENCY (GHz)		POLARIZATION:		CONNECTOR:		COLOR:	
1.61-1.63: (1610-1630) MHz	V: VERTICAL	S: SMA; P: PINS		-1: GLOSS WHITE #17925 PER FED-STD-595B			
1.61-1.85: (1610-1850) MHz	L: LHCP	M: MCX; MM: MMCX		-2: LUSTERLESS GRAY #36320 PER FED-STD-595B			
1.80-1.99: (1800-1990) MHz	R: RHCP	N: N; NB: N-Bulkhead		-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B			
2.40-2.50: (2400-2500) MHz		T: TNC; TB: TNC-Bulkhead		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B			
4.40-5.85: (4400-5850) MHz				-5: TAN #33446 PER FED-STD-595B			
X.XX-Y.YY: (X.XX-Y.YY) GHz		DGO: DGO		UU: Gray Color Teflon Coating			