






DGO CONNECTOR

CLEARANCE DIA. .866

3X 10-32 UNC  
.700 DEEP  
ON 1.375 RAD

### 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

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		DGO: DGO	-5: TAN #33446 PER FED-STD-595B
X.XX-Y.YY: (X.XX-Y.YY) GHz			UU: Gray Color Teflon Coating

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

QTY	DESCRIPTION	PART NO	MATERIAL	REV
3	SCREW, 10-32, 3.5"L (Item544-325)	91771A844	-	1

<b>ANTCOM CORP.</b> TORRANCE CALIFORNIA	
S-Band OMNI ANTENNA	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS AND DECIMALS ± 1/64 ± .005 ± .010 ± .015 ± .020 ± .025 ± .030 ± .035 ± .040 ± .045 ± .050 ± .055 ± .060 ± .065 ± .070 ± .075 ± .080 ± .085 ± .090 ± .095 ± .100 ± .105 ± .110 ± .115 ± .120 ± .125 ± .130 ± .135 ± .140 ± .145 ± .150 ± .155 ± .160 ± .165 ± .170 ± .175 ± .180 ± .185 ± .190 ± .195 ± .200 ± .205 ± .210 ± .215 ± .220 ± .225 ± .230 ± .235 ± .240 ± .245 ± .250 ± .255 ± .260 ± .265 ± .270 ± .275 ± .280 ± .285 ± .290 ± .295 ± .300 ± .305 ± .310 ± .315 ± .320 ± .325 ± .330 ± .335 ± .340 ± .345 ± .350 ± .355 ± .360 ± .365 ± .370 ± .375 ± .380 ± .385 ± .390 ± .395 ± .400 ± .405 ± .410 ± .415 ± .420 ± .425 ± .430 ± .435 ± .440 ± .445 ± .450 ± .455 ± .460 ± .465 ± .470 ± .475 ± .480 ± .485 ± .490 ± .495 ± .500 ± .505 ± .510 ± .515 ± .520 ± .525 ± .530 ± .535 ± .540 ± .545 ± .550 ± .555 ± .560 ± .565 ± .570 ± .575 ± .580 ± .585 ± .590 ± .595 ± .600 ± .605 ± .610 ± .615 ± .620 ± .625 ± .630 ± .635 ± .640 ± .645 ± .650 ± .655 ± .660 ± .665 ± .670 ± .675 ± .680 ± .685 ± .690 ± .695 ± .700 ± .705 ± .710 ± .715 ± .720 ± .725 ± .730 ± .735 ± .740 ± .745 ± .750 ± .755 ± .760 ± .765 ± .770 ± .775 ± .780 ± .785 ± .790 ± .795 ± .800 ± .805 ± .810 ± .815 ± .820 ± .825 ± .830 ± .835 ± .840 ± .845 ± .850 ± .855 ± .860 ± .865 ± .870 ± .875 ± .880 ± .885 ± .890 ± .895 ± .900 ± .905 ± .910 ± .915 ± .920 ± .925 ± .930 ± .935 ± .940 ± .945 ± .950 ± .955 ± .960 ± .965 ± .970 ± .975 ± .980 ± .985 ± .990 ± .995 ± 1.00 ± 1.005 ± 1.01 ± 1.015 ± 1.02 ± 1.025 ± 1.03 ± 1.035 ± 1.04 ± 1.045 ± 1.05 ± 1.055 ± 1.06 ± 1.065 ± 1.07 ± 1.075 ± 1.08 ± 1.085 ± 1.09 ± 1.095 ± 1.10 ± 1.105 ± 1.11 ± 1.115 ± 1.12 ± 1.125 ± 1.13 ± 1.135 ± 1.14 ± 1.145 ± 1.15 ± 1.155 ± 1.16 ± 1.165 ± 1.17 ± 1.175 ± 1.18 ± 1.185 ± 1.19 ± 1.195 ± 1.20 ± 1.205 ± 1.21 ± 1.215 ± 1.22 ± 1.225 ± 1.23 ± 1.235 ± 1.24 ± 1.245 ± 1.25 ± 1.255 ± 1.26 ± 1.265 ± 1.27 ± 1.275 ± 1.28 ± 1.285 ± 1.29 ± 1.295 ± 1.30 ± 1.305 ± 1.31 ± 1.315 ± 1.32 ± 1.325 ± 1.33 ± 1.335 ± 1.34 ± 1.345 ± 1.35 ± 1.355 ± 1.36 ± 1.365 ± 1.37 ± 1.375 ± 1.38 ± 1.385 ± 1.39 ± 1.395 ± 1.40 ± 1.405 ± 1.41 ± 1.415 ± 1.42 ± 1.425 ± 1.43 ± 1.435 ± 1.44 ± 1.445 ± 1.45 ± 1.455 ± 1.46 ± 1.465 ± 1.47 ± 1.475 ± 1.48 ± 1.485 ± 1.49 ± 1.495 ± 1.50 ± 1.505 ± 1.51 ± 1.515 ± 1.52 ± 1.525 ± 1.53 ± 1.535 ± 1.54 ± 1.545 ± 1.55 ± 1.555 ± 1.56 ± 1.565 ± 1.57 ± 1.575 ± 1.58 ± 1.585 ± 1.59 ± 1.595 ± 1.60 ± 1.605 ± 1.61 ± 1.615 ± 1.62 ± 1.625 ± 1.63 ± 1.635 ± 1.64 ± 1.645 ± 1.65 ± 1.655 ± 1.66 ± 1.665 ± 1.67 ± 1.675 ± 1.68 ± 1.685 ± 1.69 ± 1.695 ± 1.70 ± 1.705 ± 1.71 ± 1.715 ± 1.72 ± 1.725 ± 1.73 ± 1.735 ± 1.74 ± 1.745 ± 1.75 ± 1.755 ± 1.76 ± 1.765 ± 1.77 ± 1.775 ± 1.78 ± 1.785 ± 1.79 ± 1.795 ± 1.80 ± 1.805 ± 1.81 ± 1.815 ± 1.82 ± 1.825 ± 1.83 ± 1.835 ± 1.84 ± 1.845 ± 1.85 ± 1.855 ± 1.86 ± 1.865 ± 1.87 ± 1.875 ± 1.88 ± 1.885 ± 1.89 ± 1.895 ± 1.90 ± 1.905 ± 1.91 ± 1.915 ± 1.92 ± 1.925 ± 1.93 ± 1.935 ± 1.94 ± 1.945 ± 1.95 ± 1.955 ± 1.96 ± 1.965 ± 1.97 ± 1.975 ± 1.98 ± 1.985 ± 1.99 ± 1.995 ± 2.00 ± 2.005 ± 2.01 ± 2.015 ± 2.02 ± 2.025 ± 2.03 ± 2.035 ± 2.04 ± 2.045 ± 2.05 ± 2.055 ± 2.06 ± 2.065 ± 2.07 ± 2.075 ± 2.08 ± 2.085 ± 2.09 ± 2.095 ± 2.10 ± 2.105 ± 2.11 ± 2.115 ± 2.12 ± 2.125 ± 2.13 ± 2.135 ± 2.14 ± 2.145 ± 2.15 ± 2.155 ± 2.16 ± 2.165 ± 2.17 ± 2.175 ± 2.18 ± 2.185 ± 2.19 ± 2.195 ± 2.20 ± 2.205 ± 2.21 ± 2.215 ± 2.22 ± 2.225 ± 2.23 ± 2.235 ± 2.24 ± 2.245 ± 2.25 ± 2.255 ± 2.26 ± 2.265 ± 2.27 ± 2.275 ± 2.28 ± 2.285 ± 2.29 ± 2.295 ± 2.30 ± 2.305 ± 2.31 ± 2.315 ± 2.32 ± 2.325 ± 2.33 ± 2.335 ± 2.34 ± 2.345 ± 2.35 ± 2.355 ± 2.36 ± 2.365 ± 2.37 ± 2.375 ± 2.38 ± 2.385 ± 2.39 ± 2.395 ± 2.40 ± 2.405 ± 2.41 ± 2.415 ± 2.42 ± 2.425 ± 2.43 ± 2.435 ± 2.44 ± 2.445 ± 2.45 ± 2.455 ± 2.46 ± 2.465 ± 2.47 ± 2.475 ± 2.48 ± 2.485 ± 2.49 ± 2.495 ± 2.50 ± 2.505 ± 2.51 ± 2.515 ± 2.52 ± 2.525 ± 2.53 ± 2.535 ± 2.54 ± 2.545 ± 2.55 ± 2.555 ± 2.56 ± 2.565 ± 2.57 ± 2.575 ± 2.58 ± 2.585 ± 2.59 ± 2.595 ± 2.60 ± 2.605 ± 2.61 ± 2.615 ± 2.62 ± 2.625 ± 2.63 ± 2.635 ± 2.64 ± 2.645 ± 2.65 ± 2.655 ± 2.66 ± 2.665 ± 2.67 ± 2.675 ± 2.68 ± 2.685 ± 2.69 ± 2.695 ± 2.70 ± 2.705 ± 2.71 ± 2.715 ± 2.72 ± 2.725 ± 2.73 ± 2.735 ± 2.74 ± 2.745 ± 2.75 ± 2.755 ± 2.76 ± 2.765 ± 2.77 ± 2.775 ± 2.78 ± 2.785 ± 2.79 ± 2.795 ± 2.80 ± 2.805 ± 2.81 ± 2.815 ± 2.82 ± 2.825 ± 2.83 ± 2.835 ± 2.84 ± 2.845 ± 2.85 ± 2.855 ± 2.86 ± 2.865 ± 2.87 ± 2.875 ± 2.88 ± 2.885 ± 2.89 ± 2.895 ± 2.90 ± 2.905 ± 2.91 ± 2.915 ± 2.92 ± 2.925 ± 2.93 ± 2.935 ± 2.94 ± 2.945 ± 2.95 ± 2.955 ± 2.96 ± 2.965 ± 2.97 ± 2.975 ± 2.98 ± 2.985 ± 2.99 ± 2.995 ± 3.00 ± 3.005 ± 3.01 ± 3.015 ± 3.02 ± 3.025 ± 3.03 ± 3.035 ± 3.04 ± 3.045 ± 3.05 ± 3.055 ± 3.06 ± 3.065 ± 3.07 ± 3.075 ± 3.08 ± 3.085 ± 3.09 ± 3.095 ± 3.10 ± 3.105 ± 3.11 ± 3.115 ± 3.12 ± 3.125 ± 3.13 ± 3.135 ± 3.14 ± 3.145 ± 3.15 ± 3.155 ± 3.16 ± 3.165 ± 3.17 ± 3.175 ± 3.18 ± 3.185 ± 3.19 ± 3.195 ± 3.20 ± 3.205 ± 3.21 ± 3.215 ± 3.22 ± 3.225 ± 3.23 ± 3.235 ± 3.24 ± 3.245 ± 3.25 ± 3.255 ± 3.26 ± 3.265 ± 3.27 ± 3.275 ± 3.28 ± 3.285 ± 3.29 ± 3.295 ± 3.30 ± 3.305 ± 3.31 ± 3.315 ± 3.32 ± 3.325 ± 3.33 ± 3.335 ± 3.34 ± 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