



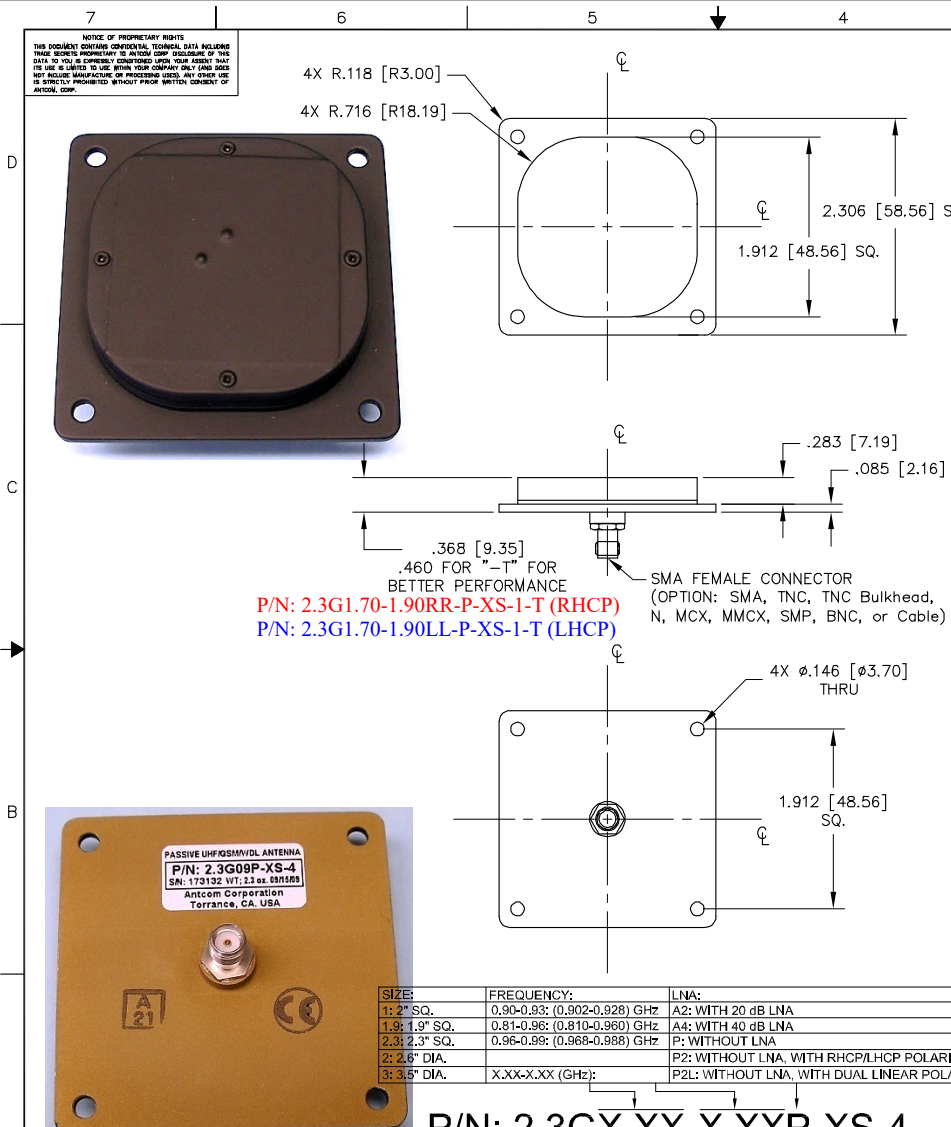
ISO 9001:2008/FAA Approved

(0.81-0.96) GHz Antennas, P/N: 2.3G0.81-0.96RR-P-XS-1 (RHCP); P/N: 2.3G 0.81-0.96 LL-P-XS-1 (LHCP) GSM 800
 (1.25-1.35) GHz Antennas, P/N: 2.3G1.25-1.35RR-P-XS-1 (RHCP); P/N: 2.3G1.25-1.35LL-P-XS-1 (LHCP)
 (1.35-1.45) GHz Antennas, P/N: 2.3G1.35-1.45RR-P-XS-1 (RHCP); P/N: 2.3G1.35-1.45LL-P-XS-1 (LHCP)
 (1.70-1.90) GHz Antennas, P/N: 2.3G1.70-1.90RR-P-XS-1 (RHCP); P/N: 2.3G1.70-1.90LL-P-XS-1 (LHCP) GSM 1800
 (1.90-2.20) GHz Antennas, P/N: 2.3G1.90-2.20RR-P-XS-1 (RHCP); P/N: 2.3G1.90-2.20LL-P-XS-1 (LHCP) UMTS 2100
 (2.00-2.30) GHz Antennas, P/N: 2.3G2.00-2.30RR-P-XS-1 (RHCP); P/N: 2.3G2.00-2.30LL-P-XS-1 (LHCP)
 (2.20-2.40) GHz Antennas, P/N: 2.3G2.20-2.40RR-P-XS-1 (RHCP); P/N: 2.3G2.20-2.40LL-P-XS-1 (LHCP)
 (2.40-2.50) GHz Antennas, P/N: 2.3G2.40-2.50RR-P-XS-1 (RHCP); P/N: 2.3G2.40-2.50LL-P-XS-1 (LHCP)
 (2.56-2.69) GHz Antennas, P/N: 2.3G2.56-2.69RR-P-XS-1 (RHCP); P/N: 2.3G2.56-2.69LL-P-XS-1 (LHCP)



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Other Frequencies, Antenna Sizes, Connectors/Locations, and Mounting Configurations are Available



SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		"-T" P/N	12/06/12	S.H

ELECTRICAL:

FREQUENCY:	GSM (902 - 928) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 2:1
IMPEDANCE:	50 ohms
ANTENNA GAIN (dBic):	> 2 dB
POWER HANDLING:	150 W
LIGHTNING PROTECTION:	DC GROUNDING

MECHANICAL:

SIZE: 2.306 in. [58.56 mm] SQ.
HEIGHT: 0.368 in. [9.35 mm]
WEIGHT: 2.4 oz. (68 g)
FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-5541F
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,
 SKYDROL RESISTANCE, AND FIRE RETARDANT
CONNECTOR: SMA FEMALE
 (OPTION: SMA, TNC, TNC Bulkhead, N, N Bulkhead,
 MCX, MMCX, SMP, BNC, or Cable)

ENVIRONMENTAL:

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

FEDERAL & MILITARY SPECIFICATIONS:

FAA TSO-C144, DO-160D, DO-228, MIL-C-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

SIZE:	FREQUENCY:	LNA:
1: 2" SQ.	0.90-0.93; (0.902-0.928) GHz	A2: WITH 20 dB LNA
1.9; 1.9" SQ.	0.81-0.96; (0.810-0.960) GHz	A4: WITH 40 dB LNA
2.3; 2.3" SQ.	0.96-0.99; (0.968-0.988) GHz	P: WITHOUT LNA
2: 2.6" DIA.		P2: WITHOUT LNA, WITH RHCP/LHCP POLARIZATION
3: 3.5" DIA.	X.XX-X.XX (GHz):	P2L: WITHOUT LNA, WITH DUAL LINEAR POLARIZATION

P/N: 2.3GX.XX-X.XXP-XS-4

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P, P2: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG; N: NO MAG.	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: NB; RS: R-SMA	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: TAN #33446 PER FED-STD-595B

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

QUANTITY REQD	DESCRIPTION	PARTS LIST	PART NO	FINISH	NEW
-	-	-	-	-	2
-	-	-	-	-	1

UNLESS OTHERWISE SPECIFIED		ANTCOM CORP.	
FRACTIONS	DECIMALS	DESIGNED	DATE
± 1/64	± .015	S. HUYNH	Aug-25-09
		S. HUYNH	Aug-25-09
		S. HUYNH	Dec-06-12
		P. TRAN	Dec-06-12
		S. HUYNH	Dec-06-12

ANTCOM CORP. TORRANCE, CALIFORNIA
 2.3" SQUARE, UHF/GSM/WDL
 ANTENNA

SCALE	SHEET	OF
D 3CVE1	2.3GX.XX-X.XXP-XS-4	A
SCALE 1/1		SHEET 1 OF 1