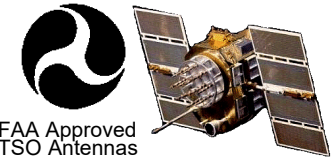




ISO 9001:2008/FAA Approved Facility

GPS/GSM(ISM)-Band Antenna
 P/N: 5G091215RL-PA-XSS-UU (L1/L2 GPS/ISM, SMA Connector)
 P/N: 5G09G5RL-PA-XSS-UU (L1/L2 GPS/Glonass/ISM, SMA Connector)
 P/N: 5G0915RL-PA-XSS-UU (L1 GPS/ISM, SMA Connector)
 Other Frequencies and Connectors are Also Available

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



FAA Approved
TSO Antennas

ANTCOM CORPORATION . 367 Van Ness Way, #602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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SPECIFICATIONS

ELECTRICAL:

	GPS (L1 or L1/L2, See P/N in Bottom Table)		GSM(ISM)	
FREQUENCY:	L1: (1575.4 ±13)		L2: (1227.6 ±13) MHz	
RADIATION PATTERN:	HEMISPHERICAL			
POLARIZATION:	RHCP			
VSWR:	< 1.5:1			
GAIN (dB):	F.S.	4 ft G.P	F.S.	4 ft G.P
@ 90° (Zenith):	+ 4.6	+ 2.9	+ 1.8	+ 5.3
@ 10° Elevation:	- 2.5	- 1.8	- 4.2	- 2.3
@ 20° Elevation:	- 1.1	+ 0.7	- 2.9	+ 0.4
@ 30° Elevation:	+ 0.5	+ 1.7	- 2.0	+ 2.3
@ 60° to 90° Elevation:	> 3.6	> 2.1	> 0.9	> 3.2
BEAM WIDTH (3dB):	103 °	146 °	108 °	74 °
AXIAL RATIO @ Zenith:	2 dB			
POWER HANDLING:	1 Watt			
LIGHTNING PROTECTION:	DC GROUNDING			
FILTER:	2 2-POL			
LNA GAIN:	(33.0±/-1.0) dB			
LNA P 1dB Out:	+16 dBm			
LNA NOISE FIGURE:	2.9 dB (Filter loss is Included)			
VOLTAGE/CURRENT:	(+2.8 TO +28) Volts DC / (30 TO 50) mA			

MECHANICAL:

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 5.026 in. [127.66 mm]
 HEIGHT: 0.764 in. [19.41 mm]

WEIGHT: < 8.0 oz. (226 g)

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

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 COMPOSITE RADOME, IMPACT, ABRASION,
 UV, SOLVENT, AND SKYDROL RESISTANCE,
 FIRE RETARDANT

CONNECTOR: GPS: TNC-F (Blue), IRIDIUM: TNC-F (Red), XM: TNC-F (Green)
 (OPTION: SMA, TNC, TNC Bulkhead, N, N Bulkhead,
 BNC, MCX, MMCX, or Cable)

MOUNTING: FLAT FIXED MOUNT: O-RING &
 4 x 10-32 MOUNTING SCREWS PROVIDED

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:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

CONFIGURATION: [REDACTED]

FRQ. BAND: 08: CE: LULAR (824+894) MHz (US/Canada)
 09: GSM (875-960) MHz (Europe/Asia/Africa/East)
 10: PCS (1710+1880) MHz (Europe/Asia/Africa/W-East)
 11: PCS (1850+1900) MHz (US/Canada)
 04: QUAD BAND (All 4 bands above)
 15: L1 GPS (1575±/-12) MHz
 12: L1/L2 GPS (1575±/-12) / (1227±/-12) MHz

CABLE'S LENGTH: X: NO CABLE
 Y: WITH MAG. MOUNT
 Z: CABLE LENGTH (IN)
 R: RIGHT ANGLE CONN.
 T: TNC; TB: TNC-Bulkhead
 B: BNC Female

GSM/GPS/IRIDIUM CON.: S: SMA; P: PINS
 M: MCX; MM: MMCX
 N: N; NS: N-Bulkhead
 T: TNC; TB: TNC-Bulkhead
 B: BNC Female

COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B
 -2: LUSTERLESS GRAY #36220 PER FED-STD-595B
 -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
 -4: LUSTERLESS BLACK #37038 PER FED-STD-595B
 -5: TAN #: FS 23446 or 33446, FED-STD-595

QUANTITY	RECD	DESCRIPTION	PARTS LIST	PART NO	FINISH	REQ
4		PANHEAD SCREW, 10-32, 1" (Item 579)		MS24693C276	-	2
1		O-RING, Item 552		2-038-N756-75	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACIONS: TOLERANCE ANGLES
 ± 1/64 .002 .015 ± 1°

REMOVE ALL SHARP BREAK EXTERNAL EDGES .005 TO .015
 PER MIL-STD-883C-METHOD 2000.1
 MACHINED SURFACES: 125

DO NOT SCALE DRAWING

P/N: 5G0915RL-PA-XSS-UU

ANTCOM CORP. TORRANCE CALIFORNIA

FLAT FIXED MOUNT
 GSM(ISM)/GPS
 ANTENNA

REV: D 3CVE1 5G0915RL-PA-XSS-UU

SCALE: 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas