



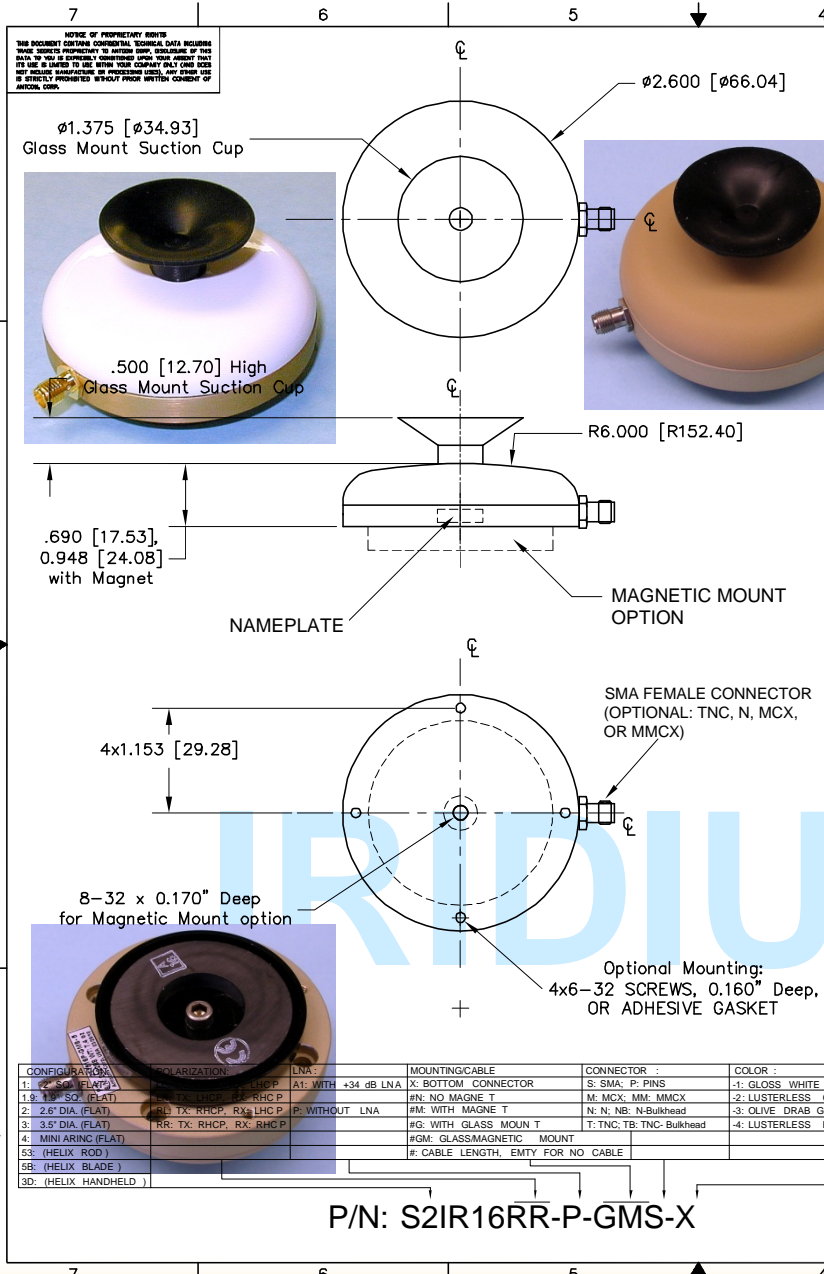
ISO 9001:2008/FAA Approved Facility

# Glass Mount IRIDIUM Antennas, P/N: S2IR16RR-P-GMS-X

## 2.6" Diameter, Glass/Magnetic Mount Configurations



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### ELECTRICAL:

SPECIFICATIONS	
FREQUENCY:	(1610.0 - 1626.5) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 1.5:1
GAIN (dB):	4 ft G.P.      Free Space
@ 90° (Zenith):	+4.9      +4.4
@ 10° Elevation (Ave):	-1.0      -2.6
@ 20° Elevation (Ave):	+1.5      -1.0
@ 30° Elevation (Ave):	+2.4      +0.4
@ 45° Elevation (Ave):	+3.3      +2.5
@ 70° Elevation (Ave):	+4.7      +4.0
Beam Width (3dB):	129 °      +106 °
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING	YES (LIGHTNING PROTECTION)

### MECHANICAL:

SIZE: DIAMETER = 2.60 in. [66.04 mm]  
 HEIGHT = 0.690 in. [17.53 mm]

WEIGHT: 5.15 oz. (146 g)

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

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: SMA FEMALE CONNECTOR,  
 (OPTION: SMA, N, TNC, N-Bulkhead, MCX, MMCX)

MOUNTING: GLASS, FLAT, OR MAGNETIC MOUNT

### 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	POLARIZATION	LNA:	MOUNTING CABLE	CONNECTOR	COLOR
1: 2.6" DIA. (FLAT)	RD TX: RHCP, RX: LHCP	X1: WITH +34 dB LNA	X: BOTTOM CONNECTOR	S: SMA; P: PINS	1: GLOSS WHITE #17925 PER FED-STD-595B
2: 2.6" DIA. (FLAT)	RD TX: RHCP, RX: LHCP	P: WITHOUT LNA	#N: NO MAGNE T	M: MCX; MM: MMCX	2: LUSTERLESS GRAY #36320 PER FED-STD-595B
3: 3.5" DIA. (FLAT)	RR: TX: RHCP, RX: RHCP	#G: WITH GLASS MOUNT	#M: WITH MAGNE T	N: N; NB: N-Bulkhead	3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
4: MINI ARINC (FLAT)		#GM: GLASSMAGNETIC MOUNT	#H: WITH MAGNE T	T: TNC; TB: TNC-Bulkhead	4: LUSTERLESS BLACK #37038 PER FED-STD-595B
5: (HELIX ROD)		#: CABLE LENGTH, EMTY FOR NO CABLE			
5B: (HELIX BLADE)					
5D: (HELIX HANDHELD)					

P/N: S2IR16RR-P-GMS-X

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	REF ID
-	ADHESIVE GASKET	123450-3M-3G			5
-					3
-					1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
 DECIMALS: 1/100 ± 1'  
 FRACTIONS: 1/16 ± 1'  
 ANGLES: ± 1'

REMOVE ALL BURRS FROM ALL EXTERNAL EDGES TO .015 INCHES MAXIMUM PER FED-STD-595B  
 DATE ON A CONFORMING PART

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA  
 2.6" Dia. GLASS/MAGNETIC MOUNT IRIDIUM ANTENNA

DESIGNED: S. HUYNH  
 DRAWN: DEC-13-02  
 APPROVED: S. HUYNH  
 DATE: DEC-13-02

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas