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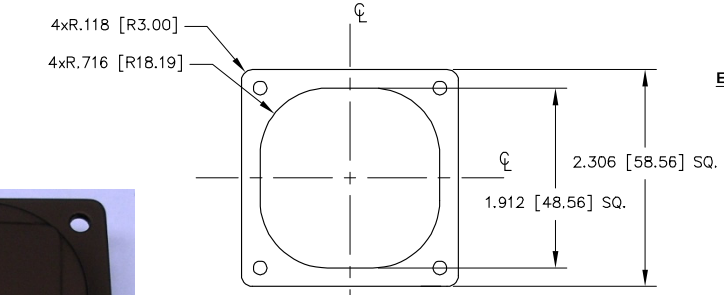
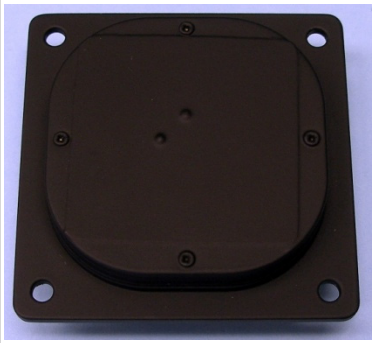
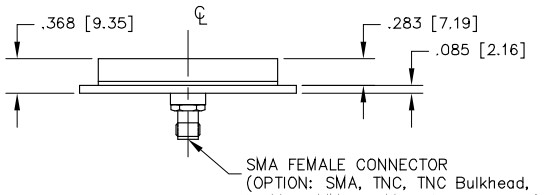
REVISIONS

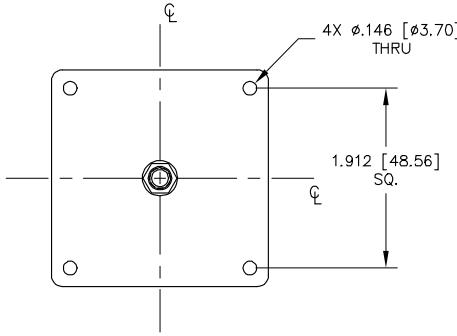
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS









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:	2.31 in. [58.56 mm] SQ. HEIGHT: 0.37 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, D0-228, 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

QUANTITY REQD	DESCRIPTION	PART NO	FINISH	ITEM NO
–	–	–	–	2
				1

PARTS LIST

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX± .015, .XXX± .010, ANGLES ± 1°. TOLERANCE SYM PER ANSI Y14.5. REMOVE ALL BURRS. BREAK EXTERNAL EDGES .005 TO .015. FILLETS R .005 TO R .030. SCREW THREADS PER MIL-S-8879. DIA'S ON A COMMON ℄ ø.005. MACHINED SURFACES 125/. DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	Aug-25-09
ORIGINALLY DESIGNED	S. HUYNH	Aug-25-09
UPDATED	S. HUYNH	July-24-14
UPDATE DRAWN	P. TRAN	July-24-14
APPROVED	S. HUYNH	July-24-14

ANTCOM CORP. TORRANCE CALIFORNIA

2.3" SQUARE, UHF/GSM/WDL ANTENNA

SIZE D | CAGE NO 3CVE1 | DRAWING NO 2.3GX.XX-X.XXP-XS-4 | REV

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas