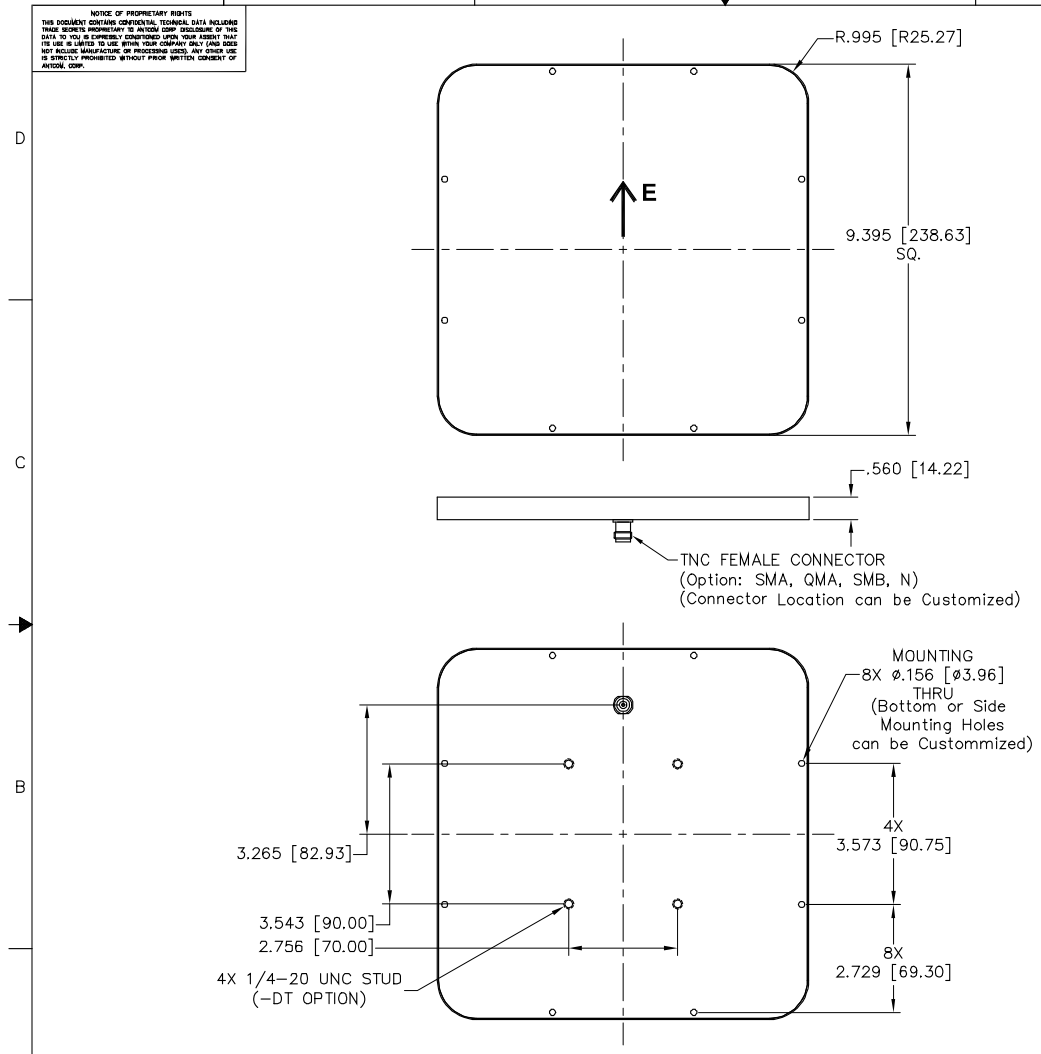
ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com



SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(X.XX - X.XX) GHz - See Below Table for P/N
PATTERN:	DIRECTIONAL
POLARIZATION:	RHCP, LHCP, or LINEAR - See Below Table for P/N
ANTENNA GAIN :	12 dB
BEAM WIDTH (deg):	48 Deg.
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 ohms
POWER HANDLING:	100 watts
DC GROUNDING:	YES

LNA OPTION (For Rx Only):

LNA GAIN:	33 dB (P1dBout = +13 dBm)
LNA NOISE FIGURE:	2.2 dB
LNA VOLTAGE:	(+2.5 to +24) Volts DC
LNA DRAWING CURRENT:	< 30 mA

MECHANICAL:

SIZE:	9.39 In x 9.39 In x 0.56 In
WEIGHT:	10.8 oz. (306 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL, AND BLACK ANODIZED
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	TNC FEMALE (OPTION: SMA, QMA, SMB, N)

ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	30,000 ft.
VIBRATION:	> 20 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

FREQUENCY BAND:	S/C-BAND POL.	LNA:	CONNECTOR:	COLOR:
T: Rx/Tx Thuraya	V: VERTICAL	A: ACTIVE	S: SMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
IN: Rx/Tx Inmarsat/Iridium	R: RHCP	P: PASSIVE	Q: QMA	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
1.6-1.9: (1.6 - 1.9) GHz	L: LHVP		SMB: SMB	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
2.2-2.3: (2.2 - 2.3) GHz			T: TNC	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
2.2-2.4: (2.2 - 2.4) GHz			N: N	-5: TAN #33446 PER FED-STD-595B
2.4-2.5: (2.4 - 2.5) GHz				
2.2-2.5: (2.2 - 2.5) GHz				
LS: (1.625 - 1.85)/(2.2 - 2.4) GHz				
X.X-Y.Y: (X.XX - Y.YY) GHz				

9X9A-X.X-Y.YV-P-XT-5

ITEM NO	QUANTITY REQD	DESCRIPTION	PART NO	FINISH
3				
2	1			
1	1	–	–	–

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX ± .020, .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	Mar-12-12
ORIGINALLY DESIGNED	S. HUYNH	Mar-12-12
UPDATED	S. HUYNH	Mar-10-14
UPDATE DRAWN	P. TRAN	Mar-10-14
APPROVED	S. HUYNH	Mar-10-14

ANTCOM CORP. TORRANCE CALIFORNIA

Rx/Tx- Thuraya or Inmarsat/Irridium Antenna

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	9X9A-X.X-Y.YV-P-XT-5	–

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas