

2

1

NOTES - UNLESS OTHERWISE SPECIFIED:

1.0 APPLICABLE STANDARDS / SPECIFICATIONS:

1.1 ASME Y14.5M - 1994 (DIMENSIONING AND TOLERANCING):

2.0 MATERIAL RESTRICTIONS:

2.1 THIS PART MUST BE COMPLIANT TO THE RoHS DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 JANUARY 2003, ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT.

3.0 DIMENSIONING AND TOLERANCING:

3.1 DIMENSIONS ARE SHOWN IN UNITS AS SPECIFIED IN TITLE BLOCK.

3.2 A REFERENCE (REF) DIMENSION IS A DIMENSION WITHOUT TOLERANCE AND IS USED FOR INFORMATIONAL PURPOSES ONLY.

3.3 ALL RADII PER ELECTRONIC DATA FILE UNLESS OTHERWISE SPECIFIED

3.4 DIMENSIONLESS FEATURES ARE CONSIDERED TO BE PROCESS

CONTROLLED. LOCATIONS ARE GOVERNED BY THE ELECTRONIC DATA FILE GEOMETRY AND 2-PLACE DECIMAL TOLERANCES AS SPECIFIED IN TITLE BLOCK.

4.0 MATERIAL:

4.1 CONNECTOR

4.1.1 I-PEX IPX-13 OR EQUIVALENT

4.2 CABLE:

4.2.1 1.13MM DIAMETER COAXIAL CABLE

4.2.2 INNER CONDUCTOR: SILVER PLATED COPPER WIRE

4.2.3 OUTER CONDUCTOR: TIN PLATED COPPER WIRE

4.2.4 INSULATOR: PFA FLUOROPOLYMER OR EQUIVALENT

4.2.5 OUTER JACKET: FEP FLUOROPOLYMER OR EQUIVALENT

5.0 FINISH: N/A

6.0 PROCESS ALLOWANCE: NONE

REVISIONS ( Δ DENOTES CHANGE)

REV	DATE (YYMMDD)	UPDATED BY
1	10/07/13	S JOHNSON

ELECTRONIC DATA FILES

FILE NAME	DESCRIPTION
66089-XXXX_1.pdf	ADOBE PDF DRAWING
66089-XXXX_1.dxf	2D CAD DRAWING
66089-XXXX_1.xls	FAI SHEET

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MILLIMETERS  
-TOLERANCES-

2 PL DEC ± .10  
1 PL DEC ± .3  
ANGLES ± 1°

CONTRACT NO.

DRAWN BY

S JOHNSON

DATE (YYMMDD)

10/07/13

DESIGNER

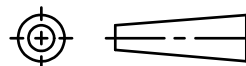
N/A

ENGINEER

K RICHARDSON

APPROVAL SIGNATURES ON FILE

THIRD ANGLE PROJECTION



**Anaren**

ANAREN MICROWAVE INC.  
EAST SYRACUSE, NEW YORK

ANTENNA, MONOPOLE

SIZE  
**A**

CAGE CODE  
**31597**

DOC  
NO.

**66089-XXXX**

SCALE

DOC CODE

0

REV

1

SHEET 1 OF 3

19

DIST

2

600

1

7.0 COMPONENT PERFORMANCE CHARACTERISTICS:

- 7.1 IMPEDANCE: 50 OHMS
- 7.2 FREQUENCY RANGE: 2400 - 2483 MHz
- 7.3 GAIN: 3 DBI
- 7.4 VSWR: 1.7 MAX
- 7.5 RADIATION: OMNIDIRECTIONAL

8.0 PERMANENT MARKING: NONE

9.0 INSPECTION CRITERIA:

9.1 RESPONSIBILITY FOR INSPECTION: UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR ORDER, THE SUPPLIER IS RESPONSIBLE FOR THE PERFORMANCE OF ALL INSPECTION REQUIREMENTS AS SPECIFIED HEREIN. THE SUPPLIER MAY UTILIZE THEIR OWN FACILITIES OR ANY SUITABLE LABORATORIES UNLESS DISAPPROVED BY ANAREN MICROWAVE, INC. (AMI). AMI RESERVES THE RIGHT TO PERFORM ANY OF THE TESTS SET FORTH IN THIS SPECIFICATION. IF NO INSPECTION IS SPECIFIED, THE SUPPLIER IS RESPONSIBLE FOR ENSURING THAT PARTS MEET THE REQUIREMENTS OF THIS DRAWING.

10.0 SHIPPING AND STORAGE:

- 10.1 THE SUPPLIER MUST FOLLOW THESE PRECAUTIONS WHEN SHIPPING AND STORING THESE PARTS.
- 10.2 THE SUPPLIER SHALL STORE AND SHIP BOTH RAW MATERIAL AND FINISHED PARTS IN A CONTROLLED, NON-CORROSIVE ENVIRONMENT TO PREVENT OXIDATION, CORROSION, ETC.
  - 10.2.1 UNIQUE MATERIAL CHARACTERISTICS SUCH AS CORROSION PROTECTION FOR UNPLATED STEEL SUPERSEDE THE FOLLOWING REQUIREMENTS.
  - 10.2.2 STORAGE:
    - 10.2.2.1 TEMPERATURE RANGE: 15 °C TO 30 °C.
    - 10.2.2.2 RELATIVE HUMIDITY: 40% RH MAXIMUM.
  - 10.2.3 SHIPPING:
    - 10.2.3.1 TEMPERATURE RANGE: -15 °C TO 40 °C (FOR LESS THAN 3 DAYS).
- 10.3 THE SUPPLIER SHALL STORE, HANDLE, PACKAGE AND SHIP RAW MATERIALS AND FINISHED GOODS IN A MANNER THAT PREVENTS DAMAGE OR DEGRADATION OF THE MATERIAL.
- 10.4 THE SUPPLIER SHALL LABEL EACH PRODUCT CONTAINER/BAG WITH PART NUMBER, PURCHASE ORDER NUMBER AND QUANTITY PER CONTAINER/BAG.
  - 10.4.1 THE SUPPLIER IS RESPONSIBLE FOR LABELING AND STORING FINISHED GOODS TO PREVENT MIXING WITH OTHER PARTS.

11.0 PART NUMBER SELECTION SYSTEM:

11.1 SEE BELOW:

66089-  
LEAD (mm) MEASURED FROM  
CONNECTOR CENTER PIN TO  
STRIPPED LEAD LENGTH  
FREQUENCY (x 100)

EXAMPLE: 66089-2 4 0 6  
LEAD, 6mm  
FREQUENCY, 2400 MHz

SIZE A	CAGE CODE 31597	DOC NO. 66089-XXXX
SCALE NTS	DOC CODE 0	REV 1 SHEET 2

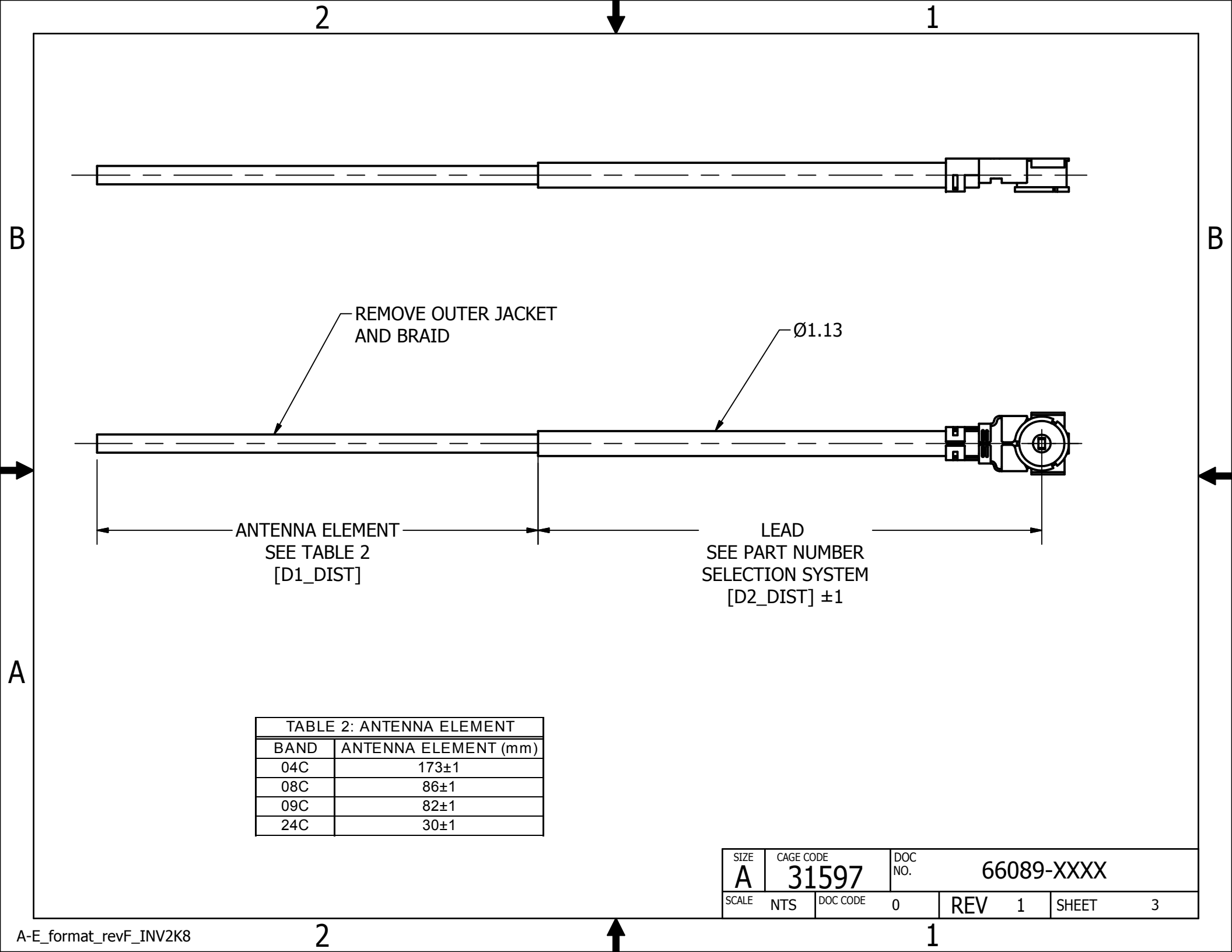


TABLE 2: ANTENNA ELEMENT	
BAND	ANTENNA ELEMENT (mm)
04C	173±1
08C	86±1
09C	82±1
24C	30±1

SIZE <b>A</b>	CAGE CODE <b>31597</b>	DOC NO. <b>66089-XXXX</b>
SCALE NTS	DOC CODE 0	REV 1 SHEET 3