

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC TO 6, 12.4 OR 18 GHz

VSWR

DC - 4 GHz _____ 1.15:1 MAX
 4 - 12.4GHz _____ 1.20:1 MAX
 12.4 - 18 GHz _____ 1.25:1 MAX

POWER (AVG) _____ 5 WATTS
 DERATING: FULL @ <25°C AMBIENT TO 20% @ 125°C

POWER (PEAK) _____ 500 WATTS MAX
 @5 μSEC PULSE WIDTH x 0.25% DUTY CYCLE

IMPEDANCE(NOM.) _____ 50 OHMS

MECHANICAL

CENTER CONDUCTOR _____ BERYLLIUM COPPER
 PER QQ-C-530. GOLD PER
 MIL-G-45204 OVER
 COPPER PLATE PER MIL-C-
 14550

OUTER CONDUCTOR _____ STAINLESS STEEL PER
 ASTM A484 & A582, CLASS
 303, COND. A. PASSIVATED
 PER ASTM A380

HOUSING _____ ALUMINUM PER
 QQ-A-225(2024). BLACK
 ANODIZE

DIELECTRIC _____ TEFLON PER ASTM D1710.

MARKING

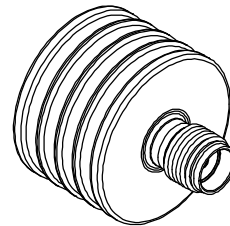
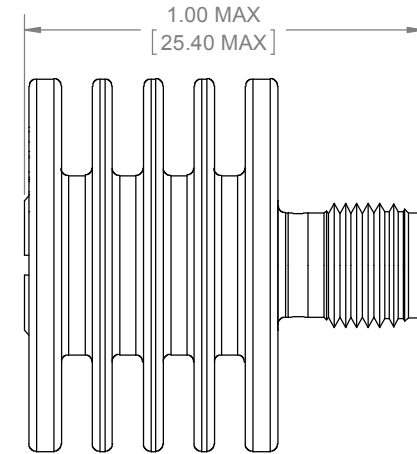
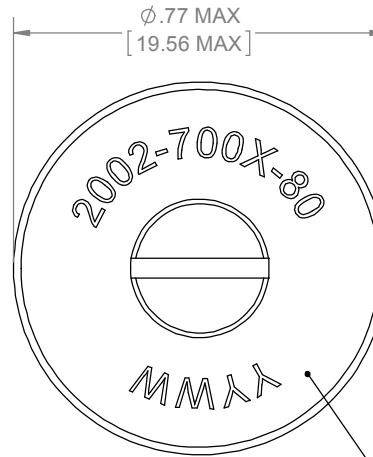
PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.
 REPLACE "X" WITH FREQ. RANGE SPECIFIED ON WORK ORDER.
 YYWW EQUALS DATE CODE.

ORDERING INFORMATION

X=	FREQUENCY RANGE
2	DC-6GHz
3	DC-12.4GHz
4	DC-18GHz

REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	14-330	10/01/14	T.KUHN



MARKING SURFACE

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2002-700X-80	TERMINATION, SMA-f, 5W	
1	TA-2002-700X-80U	ASSEMBLY, TERMINATION, SMA-f, 5W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
 SURFACE ROUGHNESS μINCHES **63**
 FINISH:
 MATERIAL:
 NOTE:
 THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.
 INTERPRET IAW ANSI Y14.5-1982

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:
 DECIMALS INCH [MM]
 .X" .05" [1.27]
 .XX" .03" [.76]
 .XXX" .010" [.25]
 ANGLES ±0°30'
 REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"
 UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.
 DO NOT SCALE PRINT

DRAWN DATE
MCCORMICK 8/1/14
 CHECKED DATE
MCCORMICK 8/1/14
 ENG. APPR. DATE
T.KUHN 8/1/14

XMA Omni SpectraSM
 Phone: 603-222-2256 Fax: 603-222-2259
 150 Dow Street, Manchester, NH 03101
 TITLE
TERMINATION, SMA-f, 5W

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2002-700X-80	REV -
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

D

C

B

A