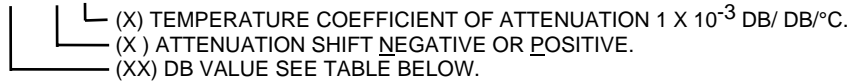


TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 42TVAXX00X0X



SHIFT (NEG)	DB VALUE	SHIFT (POS)	DB VALUE
-.003	1, 2, 3, 4, 5, 6, 7, 8, 10	.003	1, 3, 6
-.004	3, 4, 5, 6, 7	.005	1, 3, 6
-.005	1, 2, 3, 4, 5, 6, 7	.006	1
-.006	2, 3, 4, 5, 6	.007	1, 2, 3, 6
-.007	1, 2, 3, 4, 5, 6, 10		
-.009	1, 2, 3, 4, 6		

DESCRIPTION: TEMPERATURE VARIABLE COAXIAL ATTENUATOR.

ASSEMBLY DWG: 1500664

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 ATTENUATION VALUE: SEE TABLE ABOVE.
- 1.1.3 ATTENUATION ACCURACY AT 25°C: ±0.5 DB @ 1 GHZ.
- 1.1.4 FREQUENCY RANGE: DC - 6 GHZ.
- 1.1.5 VSWR: 1.35:1 MAX. @ 1 GHZ.
- 1.1.6 INPUT POWER: NEGATIVE SHIFTING: 2 WATTS CW.
 POSITIVE SHIFTING: 0.25 WATTS CW.
- 1.1.6.1 FULL RATED POWER TO 125°C, DERATED LINEARLY TO 0 WATTS AT 150°C.
- 1.1.7 TEMPERATURE COEFFICIENT OVER OPERATING TEMPERATURE RANGE:
 SEE TABLE ABOVE, TEMPERATURE COEFFICIENT TOLERANCE: ±0.001 DB/DB/°C.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2.

1.3 ENVIRONMENTAL:

- 1.3.1 TEMPERATURE RANGE:
 - 1.3.2.1 NON-OPERATING: -55°C TO +150°C.
 - 1.3.2.2 OPERATING: -55°C TO +150°C.

2.0 UNIT MARKING: "EMCT, PART IDENTIFIER".
 LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

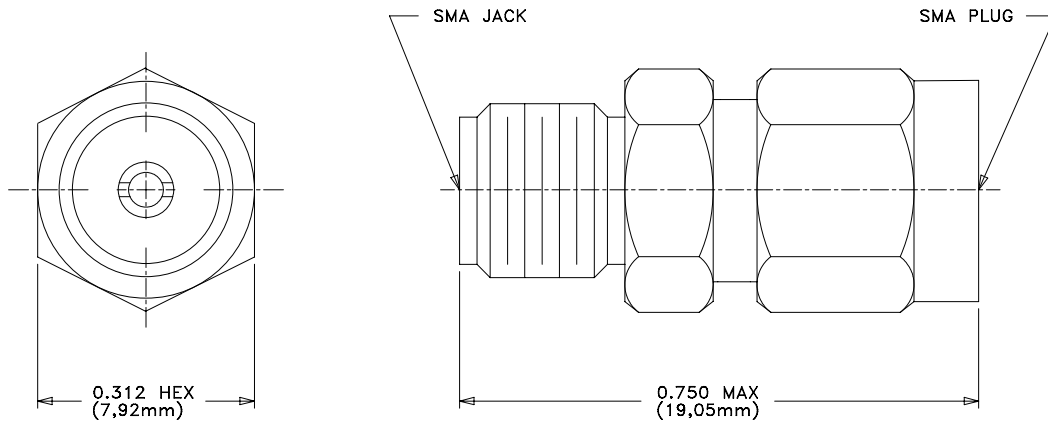
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DRAWING REQUIREMENTS INCLUDING SMA INTERFACE.
 - 3.1.2 MEASURE AND RECORD VSWR AND ATTENUATION @ 1 GHZ @ 25°C.
 - 3.1.3 ACCEPTANCE LIMITS:
 - 3.1.3.1 VSWR: 1.30 MAX.
 - 3.1.3.2 ATTENUATION ACCURACY @ 25°C: ±0.5DB
- 3.2 TEST DATA REQUIREMENTS:
 - 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.2.2 DATA RETENTION - 12 MONTHS

4.0 PACKAGING: STANDARD PACK PER MC0023. MARK CONTAINER(S) WITH CUSTOMER P/N, REVISION LEVEL, VENDOR CODE (24602), LOT AND DATE CODES.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1008415000
	CHANGE NOTICE	EN 07-E0603	REV LVL	H
			SHEET	1 OF 2

PART ID REF
42TVAXXXXXXX

U.S. PATENT NO. 5332981



MECHANICAL SPECIFICATIONS:

BODY AND NUT:
 MATERIAL - STAINLESS STEEL, ASTM A582.
 FINISH - PASSIVATE, ASTM A967.

PINS:
 MATERIAL - BERYLLIUM COPPER, ASTM B197.
 FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.

DIELECTRIC:
 MATERIAL - TEFLON, ASTM D1710.

SMA INTERFACE PER MIL-PRF-39012.

METRIC EQUIVALENTS ARE GIVEN FOR
 REFERENCE INFORMATION ONLY



 8851 SW OLD KANSAS AVE STUART, FL 34997 PHONE NO. (772)286-9300 FAX NO. (772)283-5286	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES FRACT --- ANG --- XX --- XXX ±0.005 XXXX ---	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EMC TECHNOLOGY INC AND SHALL NOT BE DUPLICATED OR USED AS BASIS FOR THE MANUFACTURE OR SALE OF PARTS OR DEVICES WITHOUT PERMISSION.			
	CAGE CODE 24602	SCALE 1:1	DRAWN BY BC 10/18/02	CHECKED BY	APPROVED BY FJV 10/22/02
	REV H	CHANGE NOTICE EN 07-E0603	DRAWING NO 1008415000	SHEET 2 OF 2	