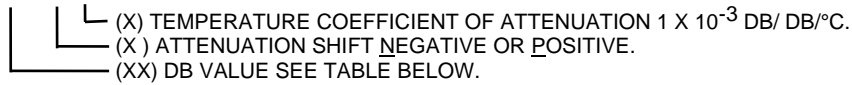


TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 42TVAXX00X0XF



SHIFT (NEG)	DB VALUE	SHIFT (POS)	DB VALUE
-0.003	1, 2, 3, 4, 5, 6, 7, 8, 10	.003	1, 3, 6
-0.004	3, 4, 5, 6, 7	.005	1, 3, 6
-0.005	1, 2, 3, 4, 5, 6, 7	.006	1
-0.006	2, 3, 4, 5, 6	.007	1, 2, 3, 6
-0.007	1, 2, 3, 4, 5, 6, 10		
-0.009	1, 2, 3, 4, 6		

DESCRIPTION: TEMPERATURE VARIABLE COAXIAL ATTENUATOR, RoHS COMPLIANT

ASSEMBLY DWG: 1500734

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:

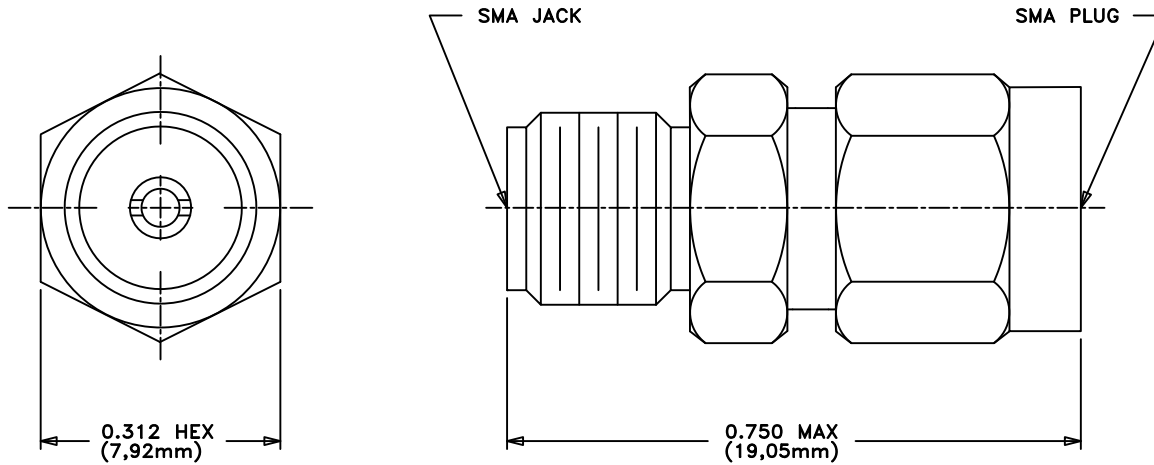
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DRAWING REQUIREMENTS INCLUDING SMA INTERFACE.
 - 3.1.2 MEASURE AND RECORD VSWR AND ATTENUATION @ 1 GHZ @ 25°C.
 - 3.1.3 ACCEPTANCE LIMITS:
 - 3.1.3.1 VSWR: 1.30 MAX.
 - 3.1.3.2 ATTENUATION ACCURACY @ 25°C: ± 0.5 DB

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.
RoHS COMPLIANT

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1011725000
	CHANGE NOTICE	PRELIMINARY	REV LVL	1
			SHEET	1 OF 2

**MECHANICAL SPECIFICATIONS:****RoHS COMPLAINT****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



REV

1

CHANGE NOTICE

PRELIMINARY

DRAWING NO

1011725000

EN IN PROCESS