

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 4110PC

DESCRIPTION: SMA COAXIAL TERMINATION

ASSEMBLY DWG: 1500074

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-18 GHZ.
- 1.1.3 VSWR: DC TO 4.0 GHZ - 1.05 MAX.
4.0 TO 8.0 GHZ - 1.10 MAX.
8.0 TO 12.0 GHZ - 1.15 MAX.
12.0 TO 18.0 GHZ - 1.25 MAX.
- 1.1.4 INPUT POWER (MAX @ 25°C):
 - 1.1.4.1 AVERAGE: 2.0 WATTS.
 - 1.1.4.2 PEAK: 20 WATTS FOR 100 US PULSE WIDTH @ 1% DUTY CYCLE.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2.

1.3 ENVIRONMENTAL:

- 1.3.1 TEMPERATURE RANGE:
 - 1.3.1.1 NON-OPERATING: -55°C TO +150°C.
 - 1.3.1.2 OPERATING: -55°C TO +125°C.
- 1.3.2 OTHER ENVIRONMENTAL REQUIREMENTS: PER MIL-D-39030.

2.0 UNIT MARKING: "EMCT, 4110PC AND DATE CODE"
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

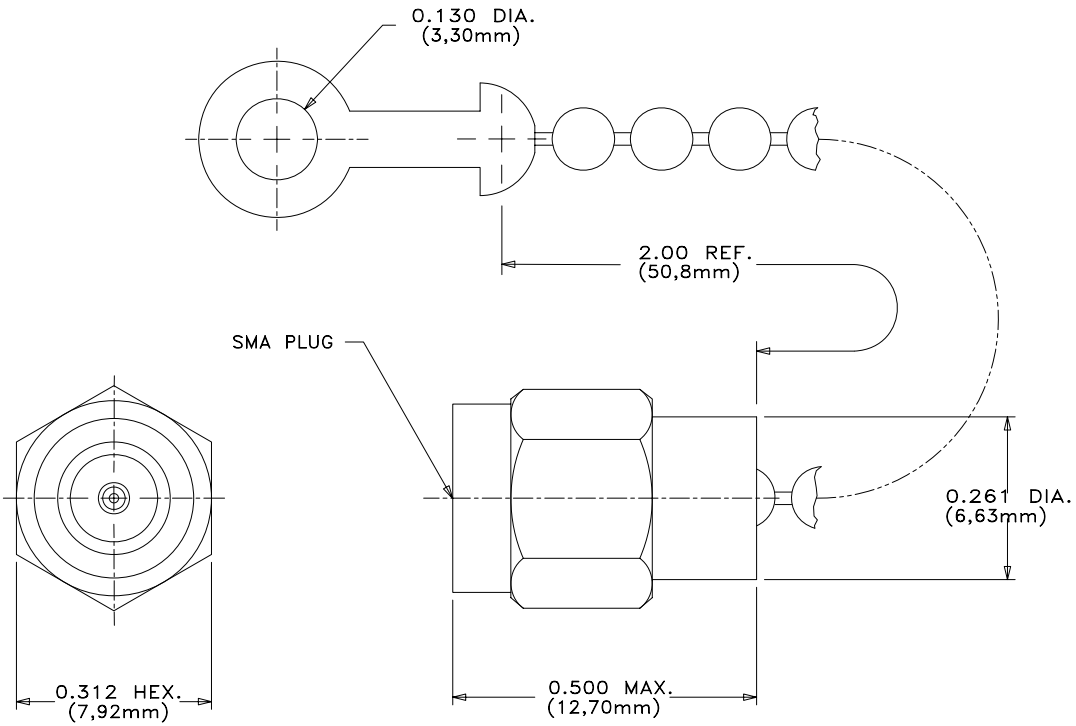
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DWG REQUIREMENTS.
- 3.2 PERFORM INSPECTION IN ACCORDANCE WITH 824W170 AND 824F036 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 TEST DATA REQUIREMENTS:
 - 3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.3.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACK PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE STUART, FLORIDA 34997	CAGE CODE # 24602		DWG #	1000025000
	CHANGE NOTICE	EN 10-0911	REV LVL	E
			SHEET	1 OF 2

PART ID REF

4110PC



MECHANICAL SPECIFICATIONS:

BODY & NUT:

MATERIAL - STAINLESS STEEL, ASTM A582.
FINISH - PASSIVATE, QQ-P-35.

PIN:

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

CERAMIC:

MATERIAL - ALUMINA, MIL-I-10.

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	---

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	1:1	BEC 6/7/01		FJV 6/26/01
REV	CHANGE NOTICE	DRAWING NO	SHEET	
E	EN 10-0911	1000025000	2 OF 2	