

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 4112PF

DESCRIPTION: SMA COAXIAL TERMINATION ROHS COMPLIANT

ASSEMBLY DWG: N/A

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: 1.0 WATTS.
 - 1.1.4.2 PEAK: 10 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: NONE

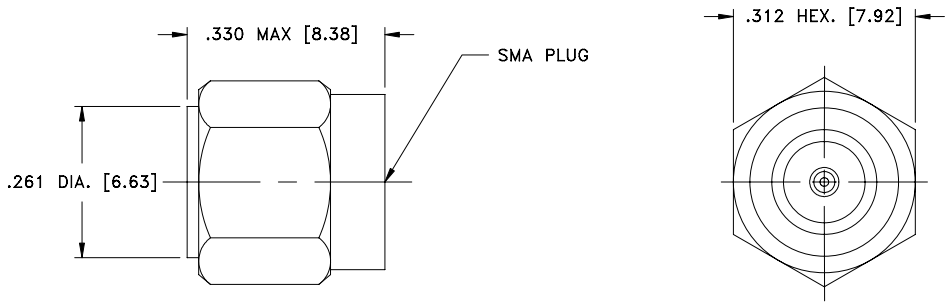
3.0 QUALITY ASSURANCE:

- 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 QA0006 AND FORM0357 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 MC0023.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1011245000
	CHANGE NOTICE	EN 06-E0576	REV LVL	-
			SHEET	1 OF 2

PART ID REF
4112PF



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 2.

DIELECTRIC:

MATERIAL - TEFLON, ASTM D1710.


CERAMIC:

MATERIAL - ALUMINA, MIL-I-10.

NOTE: PRODUCT ASSEMBLY IS ROHS COMPLIANT

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 5:1	DRAWN BY CRH 07/07/06	CHECKED BY	APPROVED BY
	REV -	CHANGE NOTICE EN 06-E0575	DRAWING NO 1011245000	SHEET 2 OF 2	