

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER 4910

DESCRIPTION 50 OHM FLUSH MOUNT TERMINATION

ASSEMBLY DWG 1500274

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-18 GHZ.
- 1.1.3 INPUT POWER (MAX @ 60°C):
 - 1.1.3.1 AVERAGE: 1 WATT.
 - 1.1.3.2 PEAK: 10 WATTS (100 US PULSE WIDTH AND 0.1% DUTY CYCLE).
- 1.1.4 VSWR: DC TO 4.0 GHZ - 1.10 MAX.
4.0 TO 8.0 GHZ - 1.15 MAX.
8.0 TO 12.0 GHZ - 1.20 MAX.
12.0 TO 18.0 GHZ - 1.30 MAX.

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.

2.0 UNIT MARKING: "EMCT AND 4910".
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

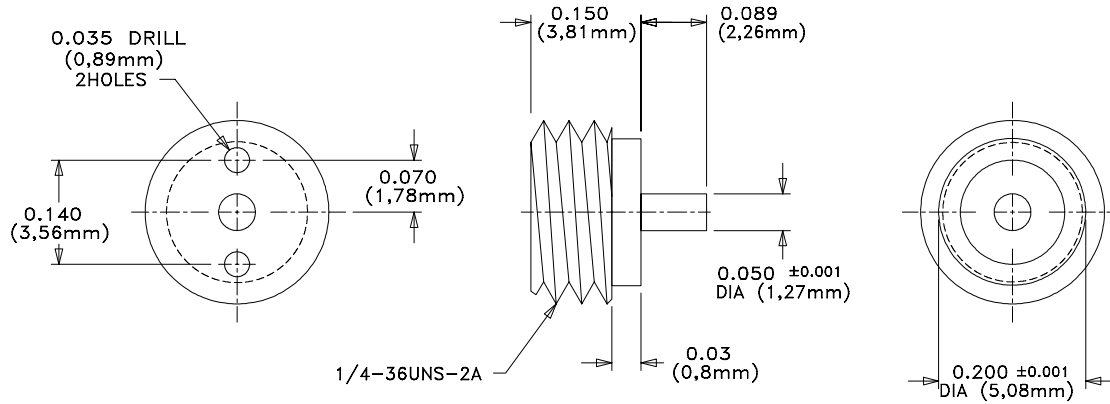
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DWG REQUIREMENTS.
- 3.2 PERFORM INSPECTION IN ACCORDANCE WITH QA0006 AND FORM0357 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 TEST DATA REQUIREMENTS:
 - 3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.3.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACK PER MC0023.

ENG	PUR	MFG	PLAN	SM	
CC		QA			
EMC TECHNOLOGY, INC 1971 OLD CUTHBERT ROAD CHERRY HILL, NJ 08034	CAGE CODE # 24602			DWG #	1003715000
	CHANGE NOTICE	EN 01-266		REV LVL	D
				SHEET	1 OF 2

PART ID REF

4910

**MECHANICAL SPECIFICATIONS:****CASE:**

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.

METRIC EQUIVALENTS ARE GIVEN FOR
REFERENCE INFORMATION ONLY



EMC TECHNOLOGY INC
1971 OLD CUTHBERT RD
CHERRY HILL, NJ 08034
PHONE NO. (856) 429-7800
FAX NO. (856) 429-1807

UNLESS OTHERWISE
SPECIFIED DIMENSIONS
ARE IN INCHES
TOLERANCES
FRACT ---
ANG ---
XX ±0.01
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	
D	EN 01-266	1003715000	2 OF 2	