

**TITLE: SPECIFICATION CONTROL DRAWING**

**PART IDENTIFIER** 4920

**DESCRIPTION** 50 OHM FLUSH MOUNT TERMINATION

**ASSEMBLY DWG** 1500294

**1.0 SPECIFICATIONS:**

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-18GHZ.
- 1.1.3 INPUT POWER (MAX @ 60°C):
  - 1.1.3.1 AVERAGE: 10 WATT.
  - 1.1.3.2 PEAK: 100 WATTS (100US 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 4920".  
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

**3.0 QUALITY ASSURANCE:**

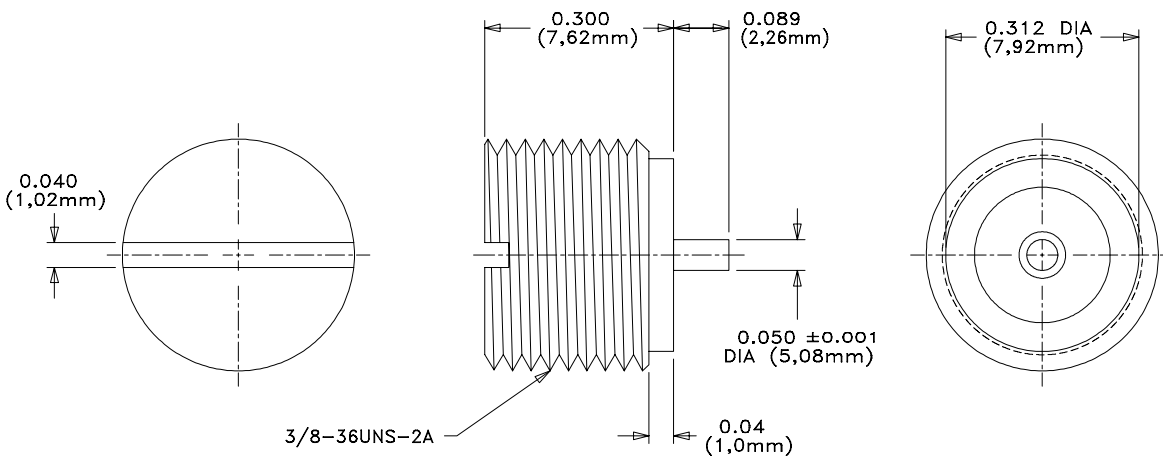
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
  - 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DWG REQUIREMENTS.
- 3.2 PERFORM INSPECTION IN ACCORDANCE WITH QA0006 AND FORM0357 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 TEST DATA REQUIREMENTS:
  - 3.3.1 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 #	1004585000
	CHANGE NOTICE	EN 01-266		REV LVL	D
				SHEET	1 OF 2

PART ID REF

4920



MECHANICAL SPECIFICATIONS:

CASE:

MATERIAL - BRASS, ASTM B16.  
 FINISH - NICKEL PLATE, QQ-N-290, CLASS 1, GRADE G.

PIN:

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

DIELECTRIC:

MATERIAL - TEFLON, ASTM D1710.

CERAMIC:

MATERIAL - BERYLLIA, ASTM F-356.

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	1004585000	2 OF 2	