

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 55XX
(XX) DB VALUE

DESCRIPTION: HIGH POWER STRIPLINE ATTENUATOR

ASSEMBLY DWG: 1700334

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
 - 1.1.2 FREQUENCY RANGE: DC-2.0 GHZ.
 - 1.1.3 ATTENUATION VALUES AVAILABLE: 0-10DB IN 1DB INCREMENTS AND 20DB.
 - 1.1.4 ATTENUATION ACCURACY @ 1 GHZ: 0 - 10 DB, ±0.5 DB.
20 DB, ±1.0 DB.
 - 1.1.5 POWER DISSIPATION (MAX @ 100°C):
 - 1.1.5.1 AVERAGE: 125 WATTS.
 - 1.1.5.2 PEAK: 1250 WATTS FOR 10US WIDTH @ 1% DUTY CYCLE..
 - 1.1.6 VSWR: DC - 1 GHZ - 1.25 MAX.
- 1.2 MECHANICAL:
 - 1.2.1 OUTLINE DWG: SEE SHEET 2.
 - 1.2.2 WORKMANSHIP: PER MIL-PRF-55342.
- 1.3 ENVIRONMENTAL:
 - 1.3.1 TEMPERATURE RANGE:
 - 1.3.1.1 STORAGE: -65°C TO +150°C.
 - 1.3.1.2 OPERATING: -55°C TO +150°C.

2.0 UNIT MARKING: "INPUT" EMC LOGO AND PART ID
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 MIL-PRF-55342 AND CONTROL DRAWING REQUIREMENTS.
 - 3.1.2 MEASURE AND RECORD VSWR AND ATTENUATION @ 1 GHZ.
 - 3.1.3 ACCEPTANCE LIMITS:
 - 3.1.3.1 VSWR: SEE ELECTRICAL 1.1.6.
 - 3.1.3.2 ATTENUATION: SEE ELECTRICAL 1.1.4.
 - 3.1.4 **ONLY FOR ITEM 5520 (20Db) PERFORM THE FOLLOWING TEST:**
 - 3.1.4.1 5 CYCLE BURN-IN (1-1/2 HR. ON ; 1/2 HR. OFF) @ 125 WATTS @ 100°C.
 - 3.1.4.2 MEASURE AND RECORD VSWR AND ATTENUATION @ 1 GHZ..
 - 3.1.4.3 ACCEPTANCE LIMITS:
- 3.2 DATA REQUIREMENTS:
 - 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.2.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACK PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1008225000
	CHANGE NOTICE	EN 10-0911	REV LVL	G
			SHEET	1 OF 2

