

DESCRIPTION

PMI MODEL DTA-5D2G5D8G-60-10B-SFF IS A 10-BIT DIGITAL CONTROLLED ATTENUATOR THAT OPERATES OVER 5.2 TO 5.8GHz AND OFFERS 60dB OF ATTENUATION. THE INSERTION LOSS IS 4dB MAXIMUM AND OPERATES FROM +/-15VDC.

SPECIFICATIONS

- FREQUENCY RANGE: 5.2 TO 5.8GHz
- ATTENUATION: 60dB MIN.
- PHASE VARIATION: 0-20dB; +/-5° MAX.
20-40dB; +/-10° MAX.
40-60dB; +/-20° MAX.
- INSERTION LOSS: 4dB MAX.
- VSWR: 2.0:1 MAX.
- ACCURACY OF ATTENUATION: +/-1.0dB MAX. (0-20dB)
+/-1.5dB MAX. (20-40dB)
+/-2.0dB MAX. (40-60dB)
- AMPLITUDE FLATNESS: +/-0.4dB MAX. (0-20dB)
+/-0.6dB MAX. (20-32dB)
+/-1.5dB MAX. (32-60dB)
- MONOTONICITY: GUARANTEED
- MAX. RF INPUT(OPERATING): 50mW
- MAX. RF INPUT(SURVIVAL): 2W@+25°C, 0.8W@+110°C
- CONTROL: 10-BIT TTL
- POWER SUPPLY: +15V, -15V
- OPERATING TEMPERATURE: 0 TO +60°C

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +71°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

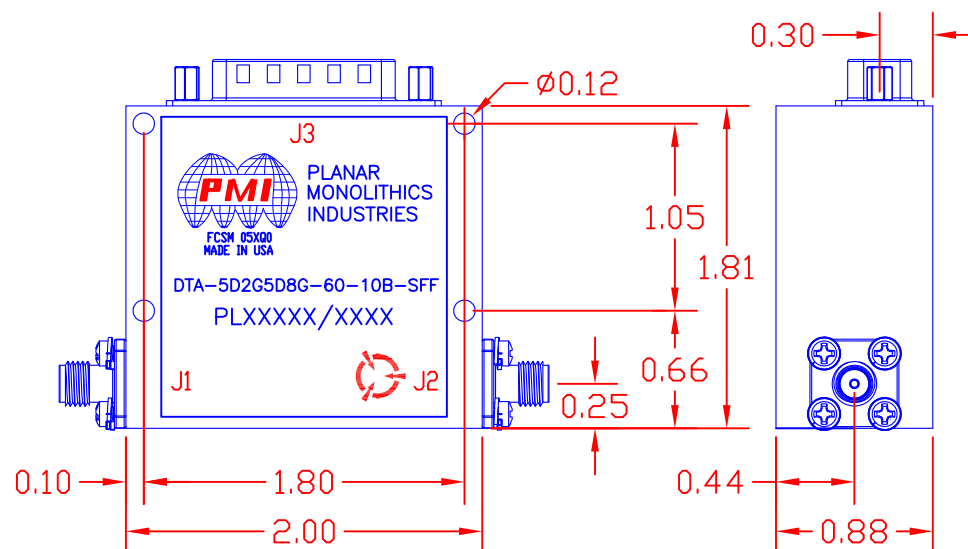
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PIN NO.	J3 PIN FUNCTIONS
1	GND
2	NOT CONNECTED
3	0.13dB
4	GND
5	0.25dB
6	0.5dB
7	1dB
8	2dB
9	4dB
10	8dB
11	16dB
12	32dB (MSB)
13	+V
14	-V
15	0.06dB (LSB)

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	-	PRELIMINARY	02/03/15
			APPROVED
			KM

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	M.Berry	02/03/15		5.2 to 5.8GHz 10-BIT DIGITAL ATTENUATOR	DTA-5D2G5D8G-60-10B-SFF
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1