

DESCRIPTION:

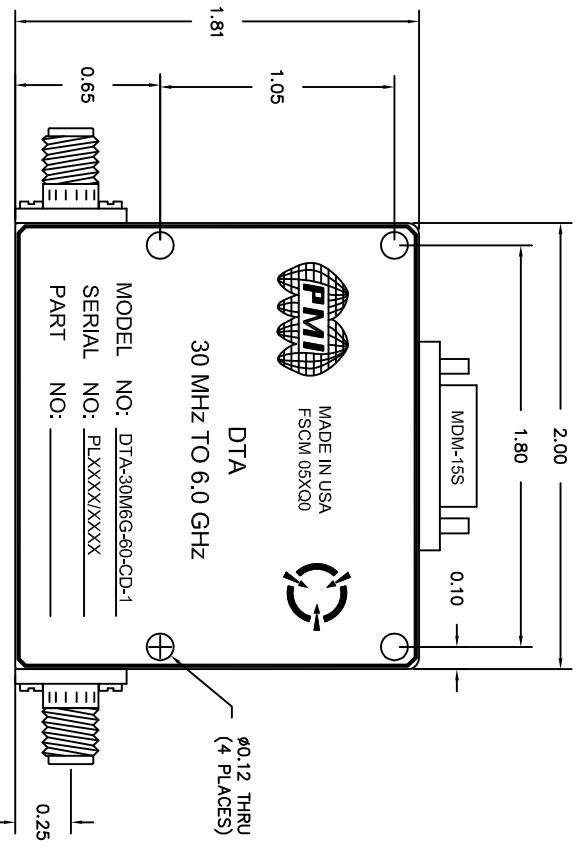
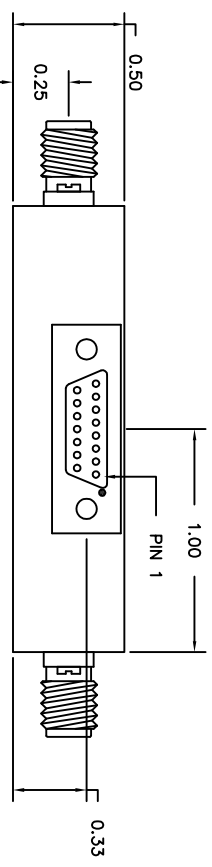
PMI MODEL NUMBER DTA-30M6G-60-CD-1 IS A 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 30 MHZ TO 6.0 GHZ.

SPECIFICATIONS:

- FREQUENCY: 0.03 GHZ TO 6.0 GHZ
- MEAN ATTENUATION RANGE 60dB
- INSERTION LOSS 4.0 DB MAX
- RETURN LOSS: -8.5dB MAX.
- POWER RATING: +20dBm
- ATTENUATION FLATNESS:
 - @ 10 dB ±1.0 DB
 - @ 20dB ±1.5 DB
 - @ 40dB ±3.0 DB
 - @ 60dB ±5.0 DB
- ACCURAY OF ATTENUATION
 - 0 dB TO 30 dB ±1.0 DB
 - 30 dB TO 50 dB ±1.3 DB
 - 50 dB TO 60 dB ±1.5 DB
- SWITCHING TIME 5 USEC MAX
- DIGITAL CONTROL 8 BIT Binary TTL
- INPUT TRACKING: ATTENUATION MUST TRACK INPUT VALUES MONOTONICALLY. WHEN CHANGING FROM ONE SETTING TO ANOTHER, THE ATTENUATION MUST REMAIN BETWEEN THE STARTING ATTENUATION AND THE FINAL ATTENUATION.
- POWER SUPPLY 12V @ 155mA MAX
- PWR/CTL CONNECTORS 15 PIN Micro-D-Female (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS SMA - Female
- FINISH PAINTED GREY

PIN NO:	J3 PIN FUNCTIONS
1	2dB
2	1dB
3	0.5dB
4	0.25dB (LSB)
5	GND
6	Not Used
7	Not Used
8	GND
9	Not Used
10	Not Used
11	+12VDC
12	32dB (MSB)
13	16dB
14	8dB
15	4dB

REVISIONS		
ZONE	REV.	DESCRIPTION
	-	PRELIMINARY
		DATE 2/11/11
		APPROVED



- LOGIC INPUT
 - LOGIC "0" (BIT OFF) -0.3 to +0.8V
 - LOGIC "1" (BIT OFF) +2.0 to +5.0V

ENVIRONMENTAL RATINGS:


- TEMPERATURE: -40°C TO +85°C (OPERATING)
-65°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
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX ±0.010
X:XXX ±0.005

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-ri.com
E-MAIL: sales@pmi-ri.com
ISO 9001:2008 CERTIFIED



DRAWN	APPROVALS	DATE	
<i>JML</i>		2/11/11	
TITLE: PRODUCT FEATURE DTA-30M6G-60-CD-1			
CHECKED	SIZE	FSCM NO.	DWG NO.
	A	05X00	PRELIMINARY
ISSUED	SCALE	N:S	REV.
			-