

DESCRIPTION:

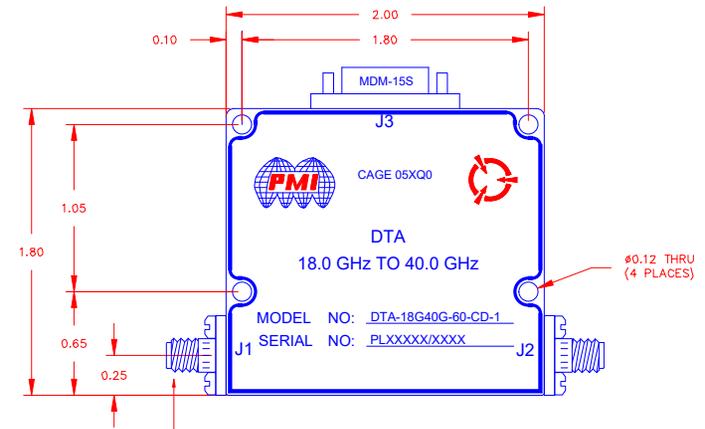
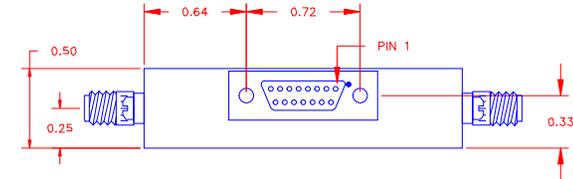
PMI MODEL NUMBER DTA-18G40G-60-CD-1 IS A 11 BIT PROGRAMMABLE 60 dB ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.05 dB OVER THE FREQUENCY RANGE OF 18 GHz TO 40 GHz. THIS MODEL IS OFFERED IN THE SLIM LINE HOUSING MEASURING ONLY 0.5" IN HEIGHT WITH 2.92mm FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/1/21	
	B1	ECN # 22-0014	2/8/22	

SPECIFICATIONS:

- FREQUENCY: 18 GHz TO 40 GHz
- MEAN ATTENUATION RANGE: 60 dB
- INSERTION LOSS: 11 dB TYP
- VSWR: 2.5:1 MAX
- FLATNESS: ±3.0 dB TYP
- ACCURACY OF ATTENUATION: ±3.0 dB TYP
- POWER HANDLING CAPABILITY: +24 dBm CW MAX
- INPUT 1dB COMPRESSION: +10 dBm TYP
- SWITCHING TIME:
 - ON TIME 1.0 us MAX
 - OFF TIME 0.5 us MAX
- POWER SUPPLY: 15V @ 100mA MAX
- CONNECTORS: (2) 2.92mm(F) & 15 PIN Micro-D-Female
Shipped with mating Micro-D Male
- WEIGHT: 3.0 oz (85 gm) Approximate
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- LOGIC INPUT:
 - LOGIC "0" (BIT OFF) -0.3 to +0.8V
 - LOGIC "1" (BIT ON) +2.0 to +5.0V

PIN NO:	J3 PIN FUNCTIONS
1	2 dB
2	1 dB
3	0.5 dB
4	0.25 dB
5	GND
6	0.125 dB
7	0.0625 dB
8	GND
9	0.03125 dB (LSB)
10	Not Used
11	+15VDC
12	32 dB (MSB)
13	16 dB
14	8 dB
15	4 dB



2.92mm Female Connectors
(2 Places)

PMI CONFIDENTIAL AND PROPRIETARY

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
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN		8/5/15	PRODUCT FEATURE		
CHECKED			DTA-18G40G-60-CD-1		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27041840
			SCALE	N:S	SHEET 1 OF 1
					REV. B1

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION