

DESCRIPTION:

PMI MODEL NUMBER DTA-100M18G-30-CD-1 IS A 5 BIT PROGRAMMABLE 30 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION OF 1 dB OVER THE FREQUENCY RANGE OF 100 MHz TO 18 GHz.

SPECIFICATIONS:

- FREQUENCY: 100 MHz TO 18 GHz
- MEAN ATTENUATION RANGE: 30dB
- INSERTION LOSS: 5.0 dB TYP
- VSWR: 2.5:1 TYP
- ACCURACY OF ATTENUATION: ± 2.5 dB TYP
- MINIMUM ATTENUATION STEP: 1.0 dB
- POWER HANDLING CAPABILITY: +24 dBm CW MAX
- INPUT 1dB COMPRESSION: +20dBm TYP
- SWITCHING TIME:
 - ON TIME: 1.0 usec MAX
 - OFF TIME: 0.5 usec MAX
- POWER SUPPLY: +12 to +15V @ 50mA MAX
- CONNECTORS: (2) 2.92mm(F) & 15 Pin Micro-D Female
Shipped with Micro-D mating connector
- WEIGHT: 3.0 oz (85 gm) Approximate
- FINISH: Painted Blue
- LOGIC INPUT
 - LOGIC "0" (BIT OFF) 0 to +0.8V
 - LOGIC "1" (BIT ON) +2.0 to +5.0V

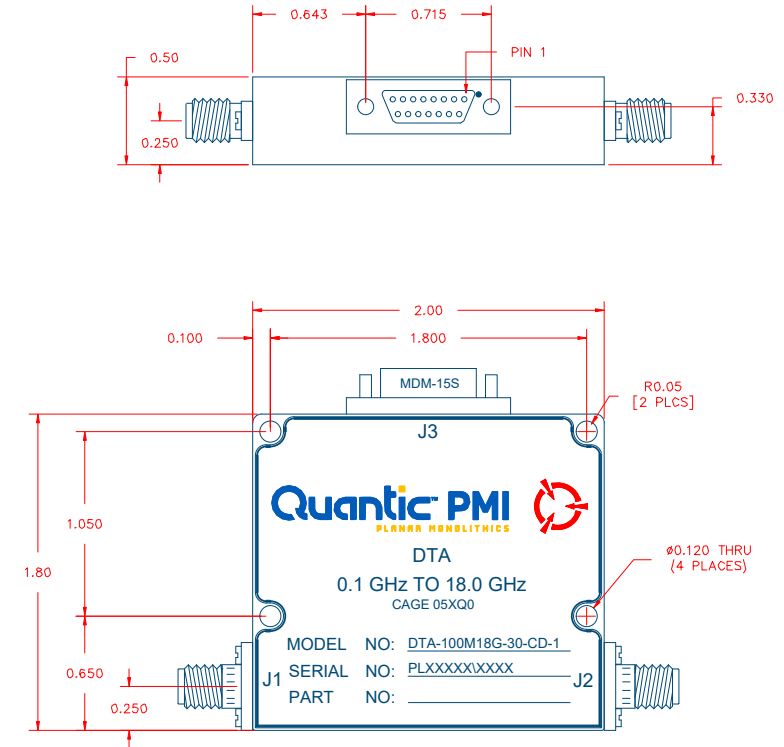
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -50°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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PIN NO:	J3 PIN FUNCTIONS
1	1dB
2	N.C.
3	N.C.
4	N.C.
5	GND
6	N.C.
7	N.C.
8	GND
9	N.C.
10	N.C.
11	+12 TO +15VDC
12	16dB
13	8dB
14	4dB
15	2dB

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/22/13	
	A2	ECN # 24-0029	02/02/24	
	A3	ECN # 24-0186	07/09/24	



PMI CONFIDENTIAL AND PROPRIETARY

7309-A GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.quanticipmi.com
EMAIL: sales@quanticipmi.com
ISO 9001 CERTIFIED

Quantic PMI
PLANAR MONOLITHICS

APPROVALS		DATE		TITLE		PRODUCT FEATURE	
DRAWN		11/22/13				DTA-100M18G-30-CD-1	
CHECKED							
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		27021551		A3	
SCALE		N:S				SHEET	
						1 OF 1	

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