

PMI MODEL NUMBER DTA-50M2D5G-CD-SFF IS A NON-REFLECTIVE 10 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.06 DB OVER THE FREQUENCY RANGE OF 50 MHz TO 2.5 GHz.

● FREQUENCY:	50 MHz TO 2.5 GHz
● MEAN ATTENUATION RANGE	60dB
● INSERTION LOSS	4.5 dB MAX
● VSWR:	2.0 :1 MAX
● FLATNESS UP TO	
● 20 dB	±1.0 dB TYP
● 40 dB	±1.25 dB TYP
● 60 dB	±3.0 dB TYP
● ACCURACY OF ATTENUATION	
● 0 dB TO 20 dB	±1.0 dB TYP
● 20 dB TO 40 dB	±1.5 dB TYP
● 40 dB TO 60 dB	±2.0 dB TYP
● MINIMUM ATTENUATION STEP	0.06 dB
● SURVIVAL POWER:	2W Average from -65°C to +25°C
● SWITCHING TIME	
● ON TIME	1.0 usec MAX
● OFF TIME	0.5 usec MAX
● DC POWER SUPPLY	+15V @ 100mA MAX -15V @ 100 mA MAX
● CONNECTORS	2 SMA Female & 15 PIN D-SUB Shipped with Mating D-SUB
● WEIGHT	3.0 oz (85 gm) Approximate
● FINISH	PAINTED GRAY
● LOGIC INPUT	
LOGIC "0" (BIT OFF)	-0.3 to +0.8V
LOGIC "1" (BIT ON)	+2.0 to +5.0V

- **TEMPERATURE:** -50°C TO +100°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

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

Top View Dimensions:

- Overall Width: 2.00
- Overall Height: 0.88
- Pin Pitch: 0.30
- Pin 15 to Pin 9: 1.32
- Pin 8 to Pin 1: 0.30

Labels: J3 (MALE), 15, 9, 8, 1

Side View Dimensions:

- Overall Width: 2.00
- Overall Height: 0.27
- Mounting Hole Diameter: 0.10
- Mounting Hole Spacing: 0.33
- Mounting Hole to Edge: 0.10
- Mounting Hole to Center: 1.80

Labels: J3, J1, J2

Internal Labels:

- PMI
- MADE IN USA
- FSCM 05XQ0
- DTA
- DTA 50 MHz TO 2.5 GHz
- MODEL NO: DTA-50M2D5G-CD-SFF
- SERIAL NO: PLXXXXX/XXXX
- PART NO: _____

Notes:

- ITT CANNON DA-15P OR EQUIV. WITH D110551 JACKPOSTS MATING CONNECTORS PROVIDED
- Accepts 4-40 UNC SCREW
- MOUNTING HOLES, 4X Ø0.120 THRU
- SMA(F) - (2 PLACES)

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



APPROVALS DATE		TITLE PRODUCT FEATURE DTA-50M2D5G-CD-SFF							
						DRAWN		REV	
						NJA		A2	
CHECKED		SIZE	FSCM NO.	DWG NO.					
		A	05XQ0	27013961					
ISSUED		SCALE	N:S		SHEET 1 OF 1				