

DESCRIPTION:

PMI MODEL NUMBER DTA-500M2G-64-10B-SFF IS A 10 BIT PROGRAMMABLE 64 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.06 dB OVER THE FREQUENCY RANGE OF 0.5 GHz TO 2.0 GHz.

SPECIFICATIONS:

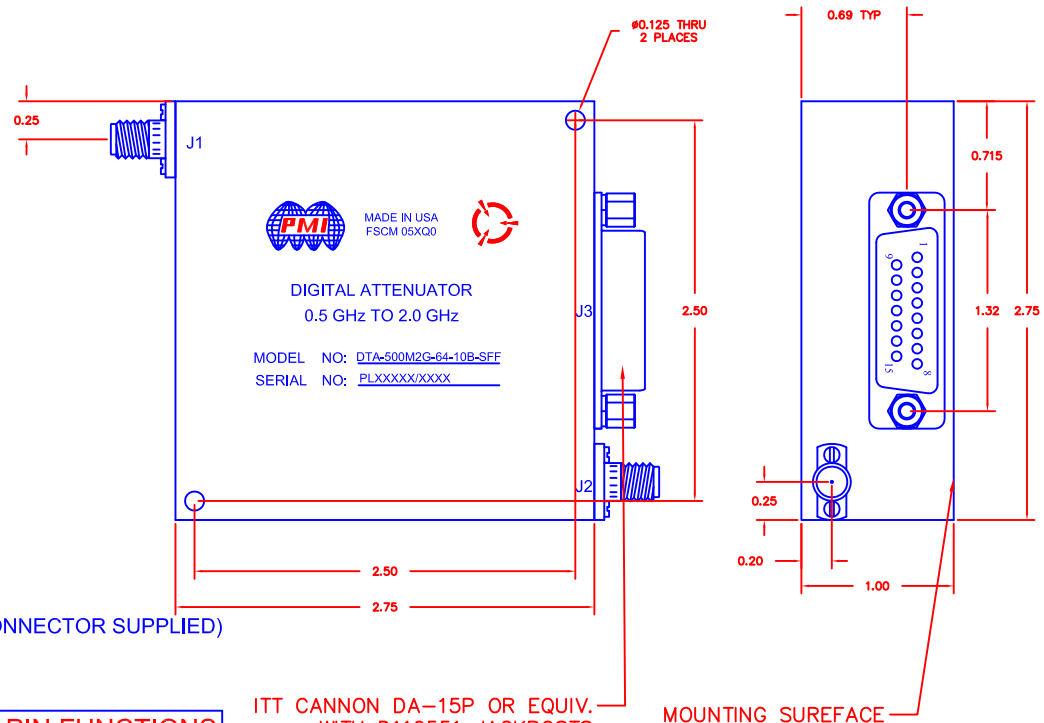
- FREQUENCY: 0.5 GHz TO 2.0 GHz
- INSERTION LOSS: 2.7dB MAX
- ATTENUATION RANGE: 64dB
- ACCURACY OF ATTENUATION:
 - ±1.0dB @ 0 to 20dB
 - ±1.5dB @ 20 to 40dB
 - ±2.0dB @ 40 to 60dB
- ATTENUATION FLATNESS
 - ±0.5dB @ 20dB
 - ±0.75dB @ 40dB
 - ±1.0dB @ 60dB
- VSWR: 2.0:1 MAX
- SPEED: 1usec MAX
- INPUT POWER: +15dBm CW TYP
- ATTENUATION CONTROL: 10-BIT DIGITAL TTL
- LSB: 0.06dB
- DC SUPPLY: +15VDC, 150mA MAX
- PWR/CTL CONNECTORS: ITT CANNON DA-15P OR EQUIV. (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE
MOUNTING SURFACE FREE OF PAINT
- LOGIC INPUT
 - LOGIC "0" (BIT OFF) -0.3 to +0.8V
 - LOGIC "1" (BIT ON) +2.0 to +5.0V

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/1/14	
	2	CURRENT AND PIN 15 CHANGE	3/3/15	



ITT CANNON DA-15P OR EQUIV. WITH D110551 JACKPOSTS MATING CONNECTORS PROVIDED

MOUNTING SURFACE

PIN NO:	J3 PIN FUNCTIONS
1	N/C
2	N/C
3	0.06dB (LSB)
4	0.13dB
5	0.25dB
6	0.5dB
7	1.0dB
8	2.0dB
9	4.0dB
10	8.0dB
11	16.0dB
12	32.0dB (MSB)
13	+15VDC
14	-15VDC (NOT USED)
15	GND

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN MB		12/1/14	PRODUCT FEATURE DTA-500M2G-64-10B-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27024065	2
			SCALE	N:S		SHEET 1 OF 1