



Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

ISO9001:2008 Certified

May 21, 2014

0.1 to 18.0GHz 5-Bit 30dB Digital Attenuator PMI Model No. DTA-100M18G-30-CD-1

PMI Model No. DTA-100M18G-30-CD1 is a 5 bit, programmable 30dB pin diode attenuator with step resolution of 1dB over the frequency range of 100MHz to 18GHz. This model has a typical insertion loss of 5dB and on Input P1dB of +20dBm. This attenuator operates on a single +15VDC supply and only requires 50mA of current.



Frequency Range	100MHz to 18.0GHz
Mean Attenuation Range	30dB
Insertion Loss	5.0dB typ
VSWR	2.5:1 typ
Accuracy of Attenuation	±2.5dB Typ
Minimum Attenuation Step	1.0dB
Power Handling Capability	+24dBm CW max
Input 1dB Compression	+20dBm typ
Switching Time	1.0usec max (On Time) 0.5usec max (Off Time)
Power Supply	15V @ 50Ma max
Connectors	(2) 2.92mm(F) & 15 Pin Micro-D Female Shipped with Micro-D mating connector
Weight	3.0oz (85gm) Approx
Finish	Painted Gray
Logic Input	
Logic "0" (Bit Off)	0 to +0.8V
Logic "1" (Bit On)	+2.0 to 5.0V

PLANAR MONOLITHICS INDUSTRIES, INC.

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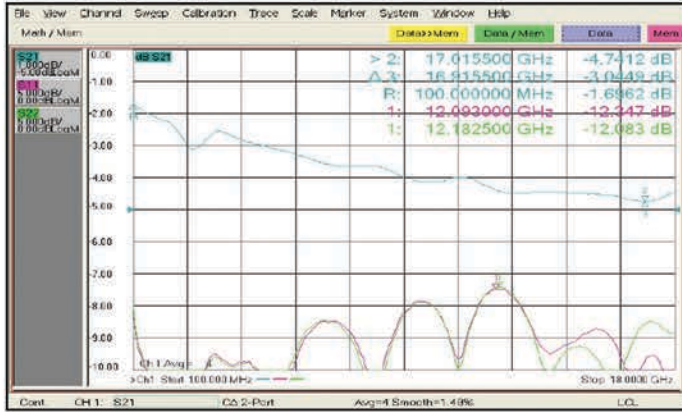
4921 Roberts J. Mathews Parkway
Suite 1 El Dorado Hills, CA 95762 USA

Tel: 916-542-1401 | Fax: 916-265-2597

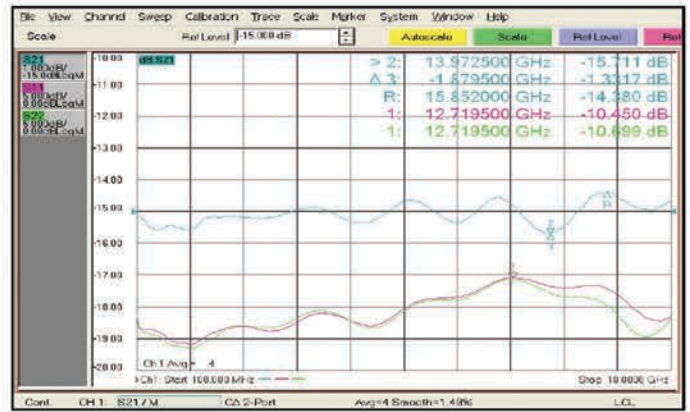
Email: sales@pmi-rf.com | www.pmi-rf.com

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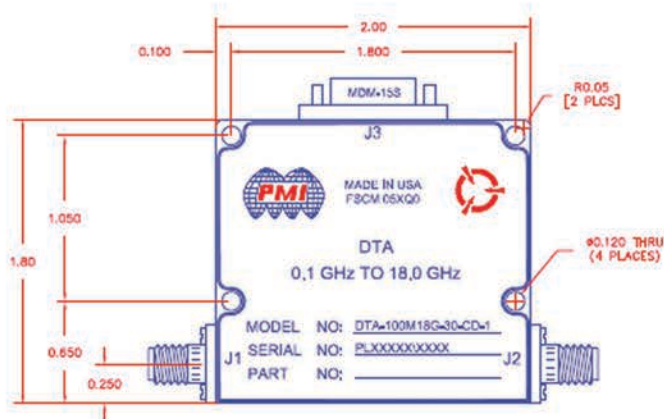
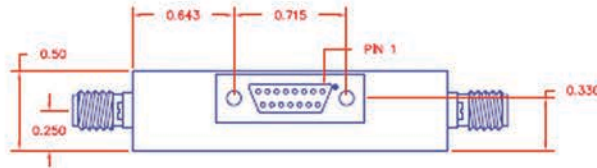
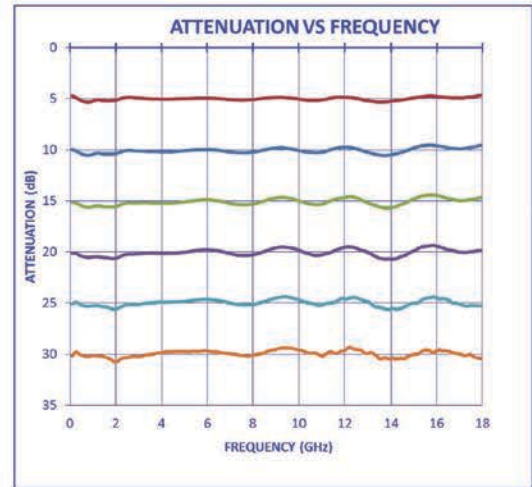
Insertion Loss & Return Loss



-15dB Attenuation



-30dB Attenuation



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