



## Typical Characteristics For DTA-2G18G-60-CD-1-OPT618-2

PMI MODEL NUMBER DTA-2G18G-60-CD-1-OPT618-2 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 6.0 TO 18.0 GHz.



December 5, 2019  
Designed by: PMI  
Reported by: K. Mansfield



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## Table Of Contents

Outline Drawing -----	Page 3
Outline Drawing-----	Page 4
Insertion Loss and VSWR Plots-----	Page 5
Attenuation Plot-----	Page 6
Delay On-----	Page 7
Delay Off-----	Page 8



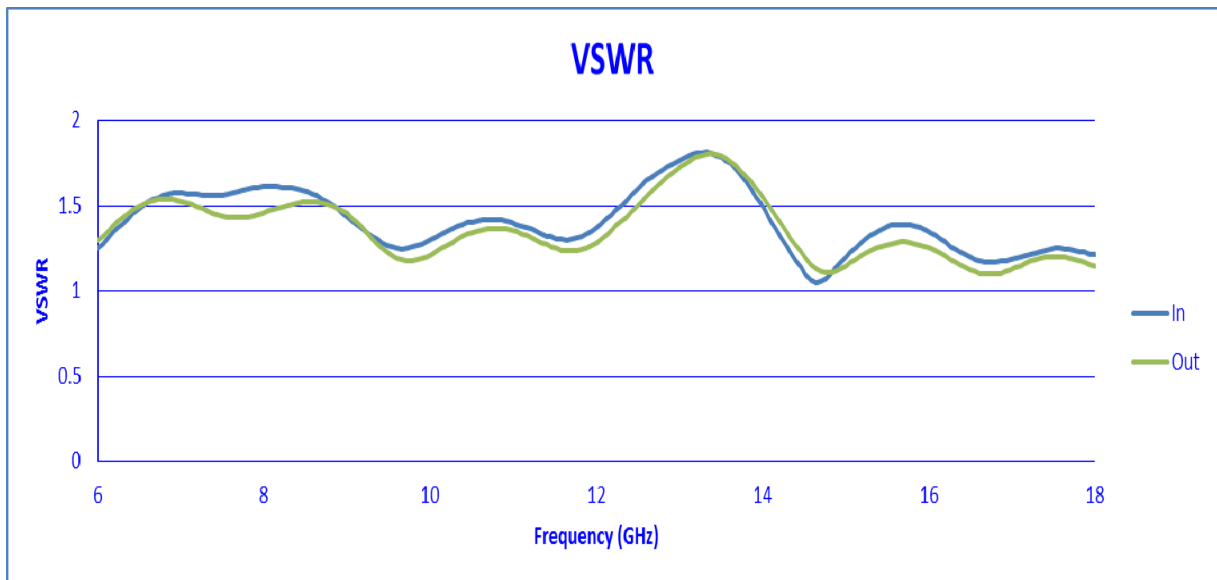


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TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	6.0 to 18 GHz	<b>6.0 to 18 GHz</b>	
2	Mean Attenuation Range:	60 dB	<b>61 dB</b>	
3	Insertion Loss:	4.5 dB Max.	<b>4 dB See Plot</b>	
4	VSWR:	2.0:1 Max.	<b>1.8:1 See Plot</b>	
5	Flatness to 20 dB:	± 1.0 dB Typ.	<b>± 0.76 dB</b>	
6	Flatness to 40 dB:	± 1.25 dB Typ.	<b>± 0.79 dB</b>	
7	Flatness to 60 dB:	± 3.0 dB Typ.	<b>± 2.3 dB</b>	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	<b>± 0.6 dB</b>	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	<b>± 1 dB</b>	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	<b>± 1.24 dB</b>	
11	Minimum Attenuation Step:	0.06 dB	<b>0.02 dB</b>	
12	Survival Power:	1 W Average from -65°C to +25°C	<b>Pass</b>	
13	Switching Time:	On Time 1 μs Max. Off Time 0.5 μs Max.	<b>On: &lt; 1.0 μs Off: &lt;0.5 μs</b>	
14	DC Power Supply:	+15 V @ 100 mA Max. -15 V @ 100 mA Max.	<b>+15 V @ 72 mA -15 V @ 49 mA</b>	

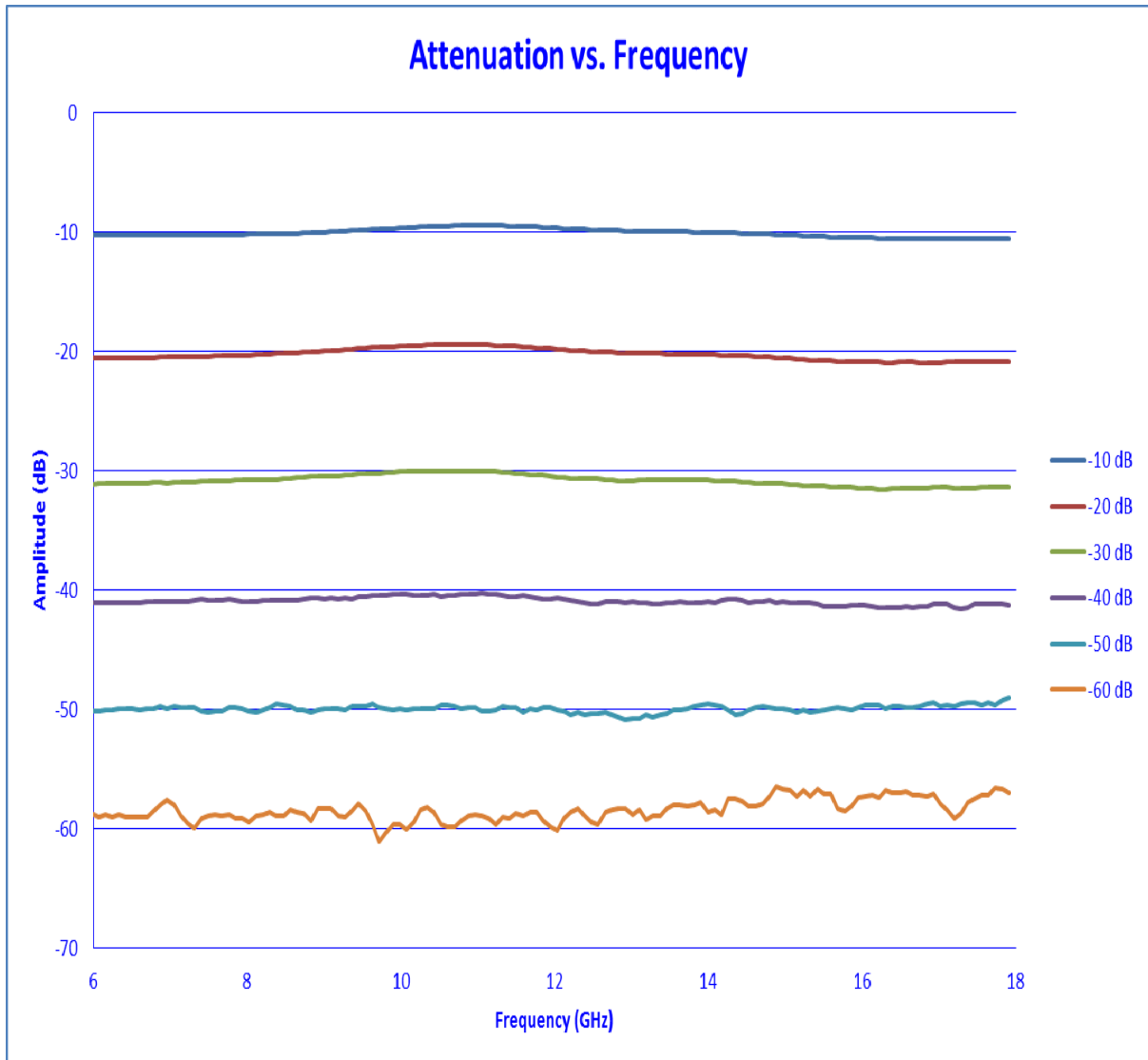


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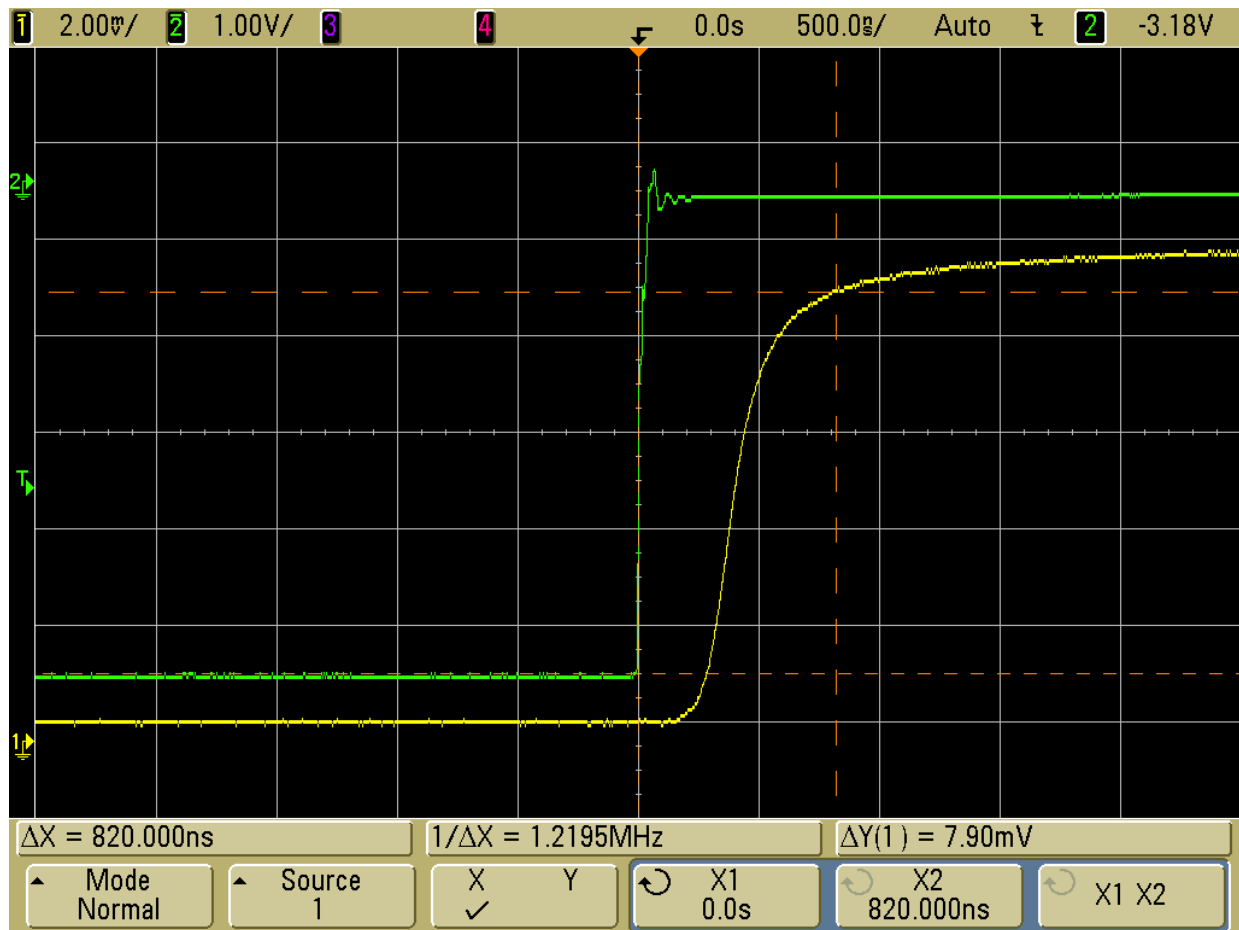
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## Delay On Time



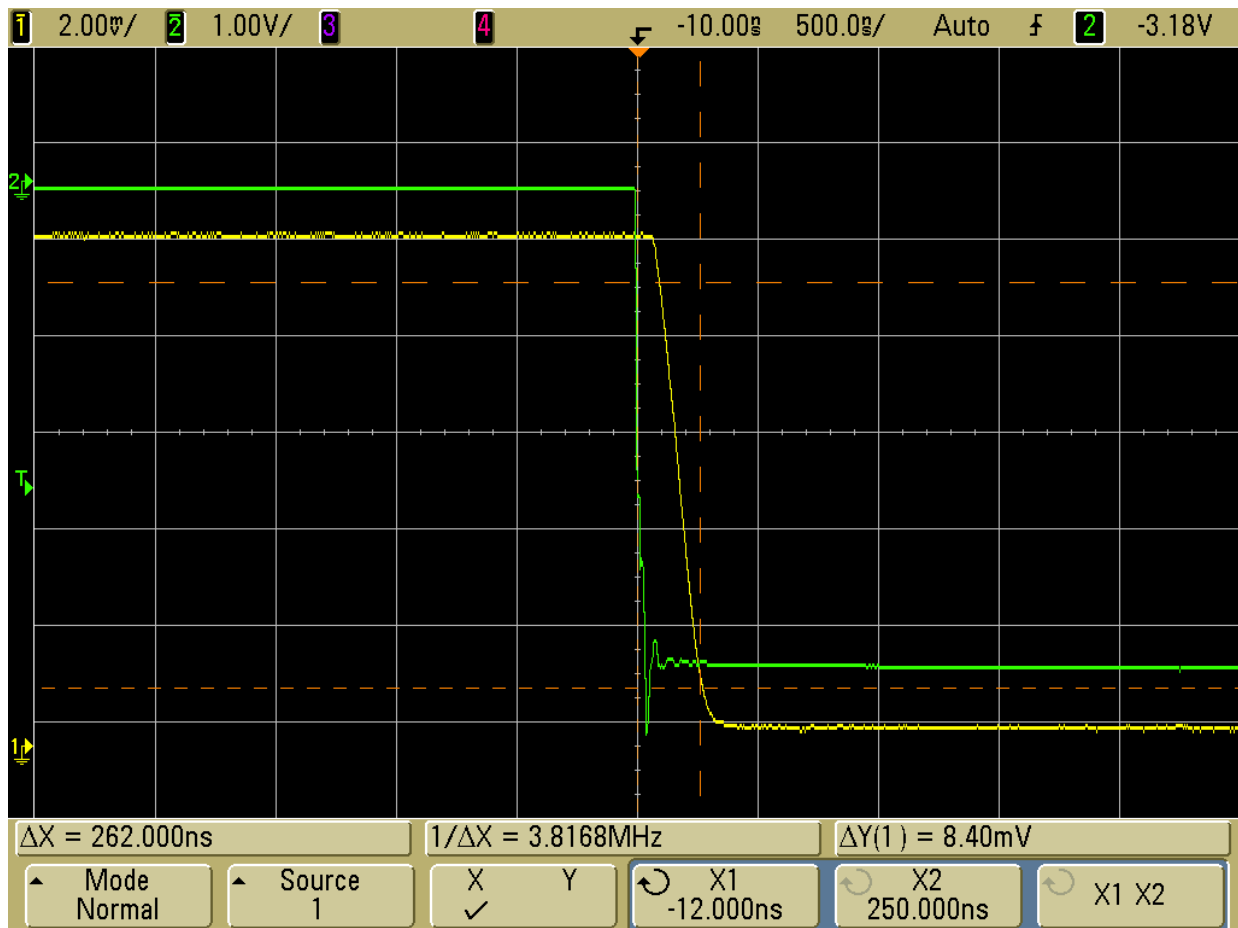
**Channel 1 (Yellow):** RF output

**Channel 2 (Green):** TTL Input from Signal Generator



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## Delay Off Time



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