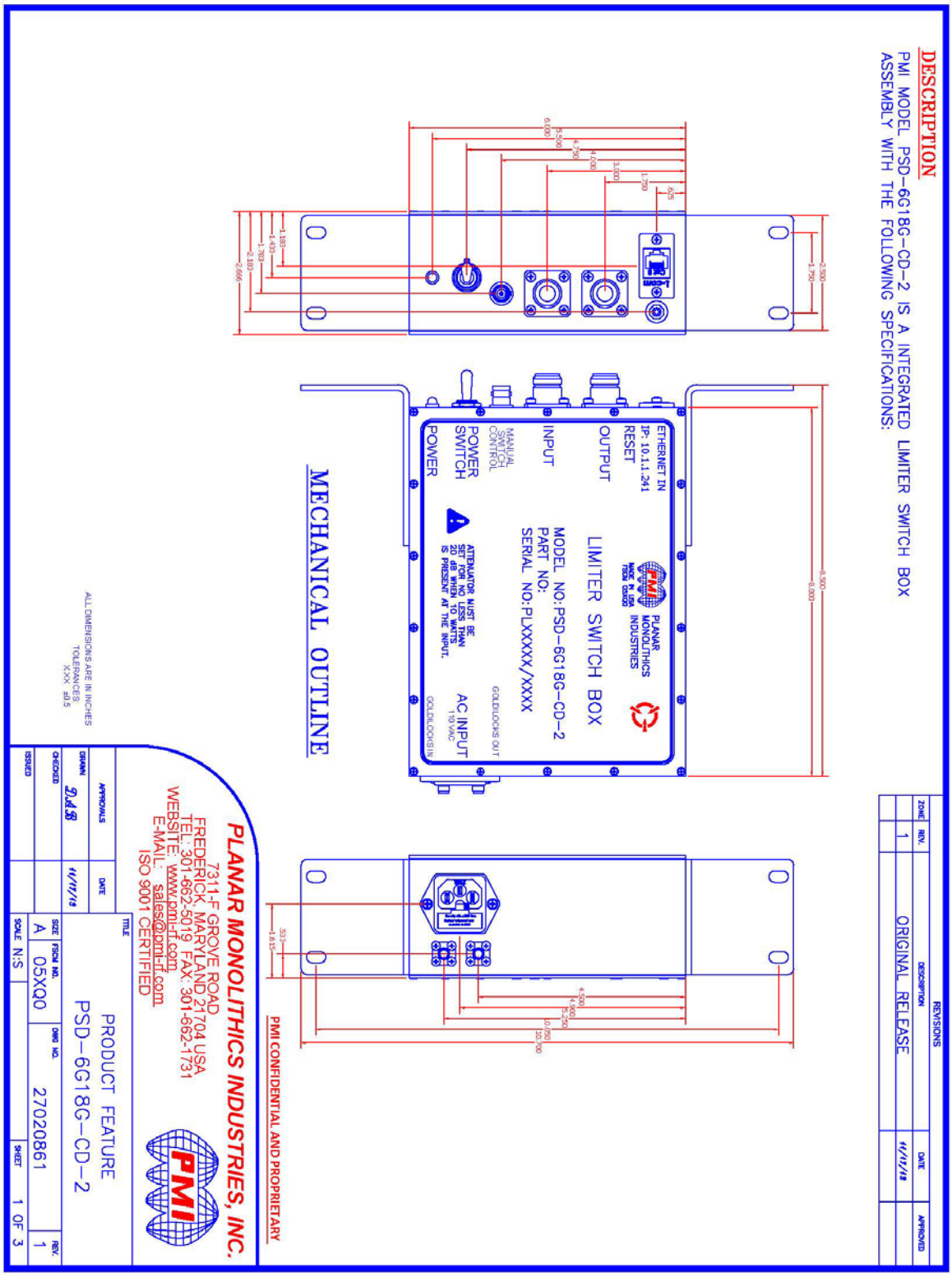
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PSD-6G18G-CD-2 IS AN INTEGRATED LIMITER SWITCH BOX ASSEMBLY.

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2



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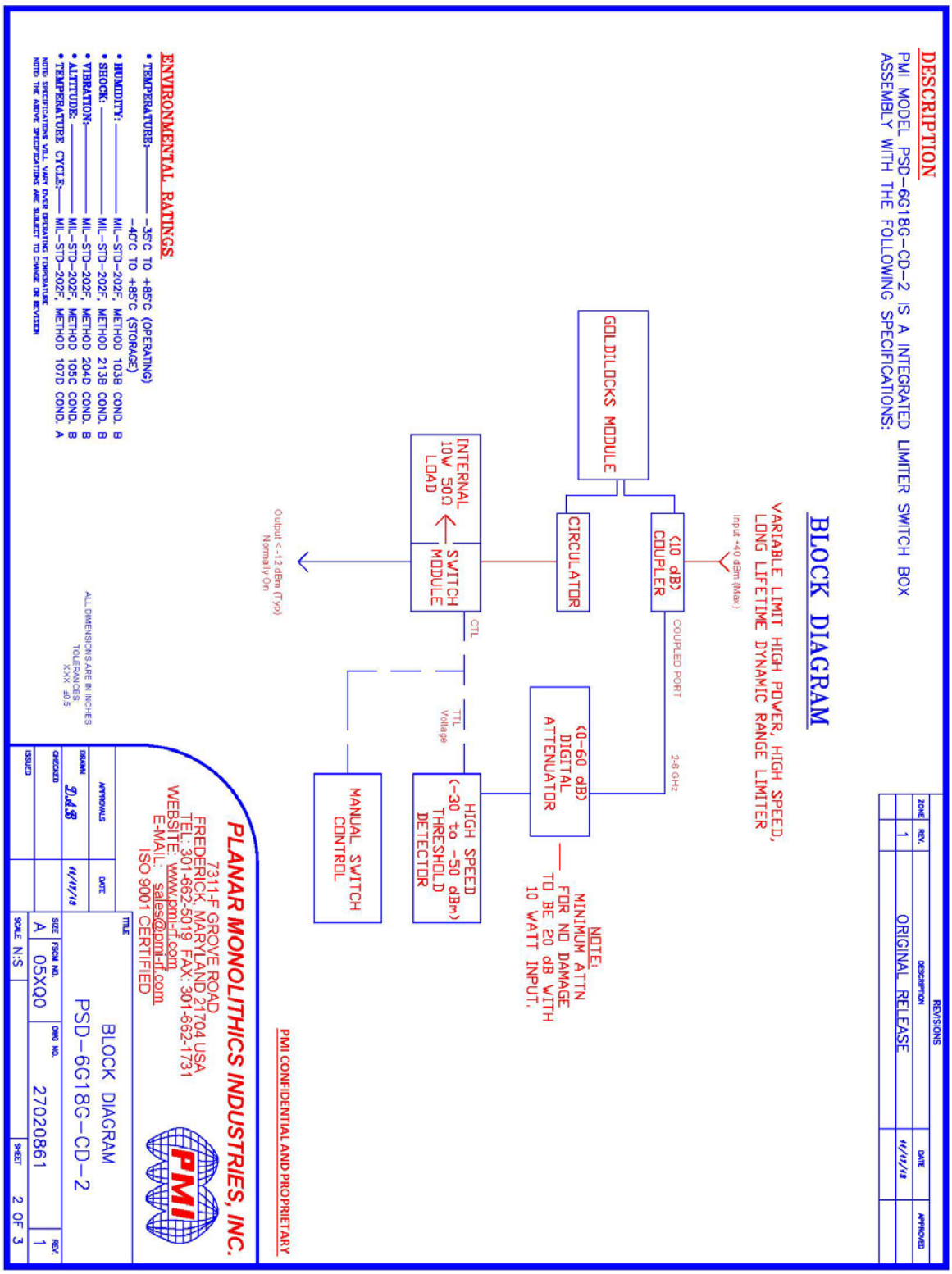
ON
PSD-6G18G-CD-2



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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

DESCRIPTION

PMI MODEL PSD-6G18G-CD-2 IS A INTEGRATED LIMITER SWITCH BOX ASSEMBLY WITH THE FOLLOWING SPECIFICATIONS:

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/17/13	

SPECIFICATIONS

- FINAL ASSEMBLY:
  - FREQUENCY RESPONSE: ——— 6.0 – 18.0 GHz
  - POWER: ——— 110VAC ONLY, 50/60Hz
  - SIZE: ——— (L) 8.0" X (W) 6.0" X (H) 2.66"
  - FINISH: ——— BLACK POWDER COATING
  - WEIGHT: ——— 15 POUNDS(LBS) TYPICAL
- PIN DIODE SWITCH MODULE:
  - POWER HANDLING: ——— >= 10 W
  - FREQUENCY RESPONSE: ——— 6.0 – 18.0 GHz
  - SWITCHING SPEED: ——— < 50 ns
  - ISOLATION (INPUT/OUTPUT): ——— 75 dB TYP.
  - INSERTION LOSS: ——— 7 dB TYP.

  **NOTE: NOT TO BE SWITCHED ANY HIGHER THAN 50 KHz (PRI).
- THRESHOLD DETECTOR:
  - FREQUENCY RESPONSE: ——— 6.0– 18.0 GHz
  - SWITCHING SPEED: ——— < 50 ns
  - OUTPUT TYPE: ——— TTL (Compatible With Pin Switch)
  - SENSITIVITY: ——— < –40dBm
  - MAX POWER (NO DAMAGE): ——— 10 dBm CW.
- COUPLER:
  - POWER HANDLING: ——— 10 W CW MAX.
  - FREQUENCY RESPONSE: ——— 6.0 – 18.0 GHz
  - COUPLING FACTOR: ——— 10 dB
- DIGITAL ATTENUATOR:
  - POWER HANDLING (MAX): ——— 2 W AVG.
  - FREQUENCY RESPONSE: ——— 6.0 – 18.0 GHz
  - ATTENUATION: ——— 0 – 60 – ETHERNET CONTROL
  - LSB: ——— 0.06 dB
  - INSERTION LOSS: ——— 4.5 dB TYP.
- INPUT TO OUTPUT
  - INSERTION LOSS: ——— 10 dB TYP.
  - ISOLATION IN "OFF" MODE: ——— 75 dB TYP.

**NOTE: ATTENUATOR MUST BE SET FOR NO LESS THAN 20 dB WHEN 10 WATTS IS PRESENT AT THE INPUT.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ——— –35°C TO +85°C (OPERATING)
- –40°C TO +85°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 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.5

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN D.A.B	11/17/13
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
PSD-6G18G-CD-2

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27020861	1

SCALE N:S SHEET 3 OF 3

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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1.0		**FINAL ASSEMBLY**		
1.1	Frequency Response:	6.0 - 18.0 GHz	**6.0 – 18.0 GHz**	
1.2	Power	110 VAC Only 50/60Hz	**110 VAC Only** **50/60Hz**	
2.0	**(SEE ATTACHED DATASHEET)**	**Pin Diode Switch PL14821/1413**	****NOTE NOT TO BE SWITCHED ANY HIGHER THAN 50 KHz (PRI)**	
2.1	Power Handling:	≥ 10 W	**Pass**	
2.2	Frequency Response:	6.0 - 18.0 GHz	**6.0 – 18.0 GHz**	
2.3	Switching Speed:	< 50 ns	**See Datasheet**	
2.4	Isolation (Input/Output):	75 dB Typ.	**75.2 dB** **See Plot**	
2.5	Insertion Loss:	7 dB Typ.	**6.5 dB** **See Plot**	
3.0	**(SEE ATTACHED DATASHEET)**	**Threshold Detector PL14759/1411**		
3.1	Frequency Response:	6.0 - 18.0 GHz	**6.0 – 18.0 GHz**	
3.2	Switching Speed:	< 50 ns	**Pass**	
3.3	Output Type:	TTL (Compatible with Pin Switch)	**Pass**	
3.4	Sensitivity:	< -40 dBm	**Pass**	
3.5	Max Power No Damage:	10 dBm CW	**Pass**	
4.0		**Coupler**		
4.1	Power Handling:	10 W CW MAX	**Pass**	
4.2	Frequency Response:	6.0 - 18.0 GHz	**6.0 – 18.0 GHz**	
4.3	Coupling Factor:	10 dB	**10 dB**	
5.0	**(SEE ATTACHED DATASHEET)**	**Digital Attenuator PL14756/1410**		
5.1	Power Handling (Max):	2 W AVG	**Pass**	
5.2	Frequency Response:	6.0 - 18.0 GHz	**6.0 – 18.0 GHz**	
5.3	Attenuation:	0-60 dB – Ethernet Control	**0-60 dB**	
5.4	LSB:	0.06 dB	**0.06 dB**	
5.5	Insertion Loss:	4.5 dB TYP	**4.47 dB** **See Plot**	
6.0		**Input to Output**		
6.1	Insertion Loss:	10 dB TYP	**See Insertion Loss Plot**	
6.2	Isolation in “Off” Mode:	75 dB Typ.	**See Isolation Plot**	

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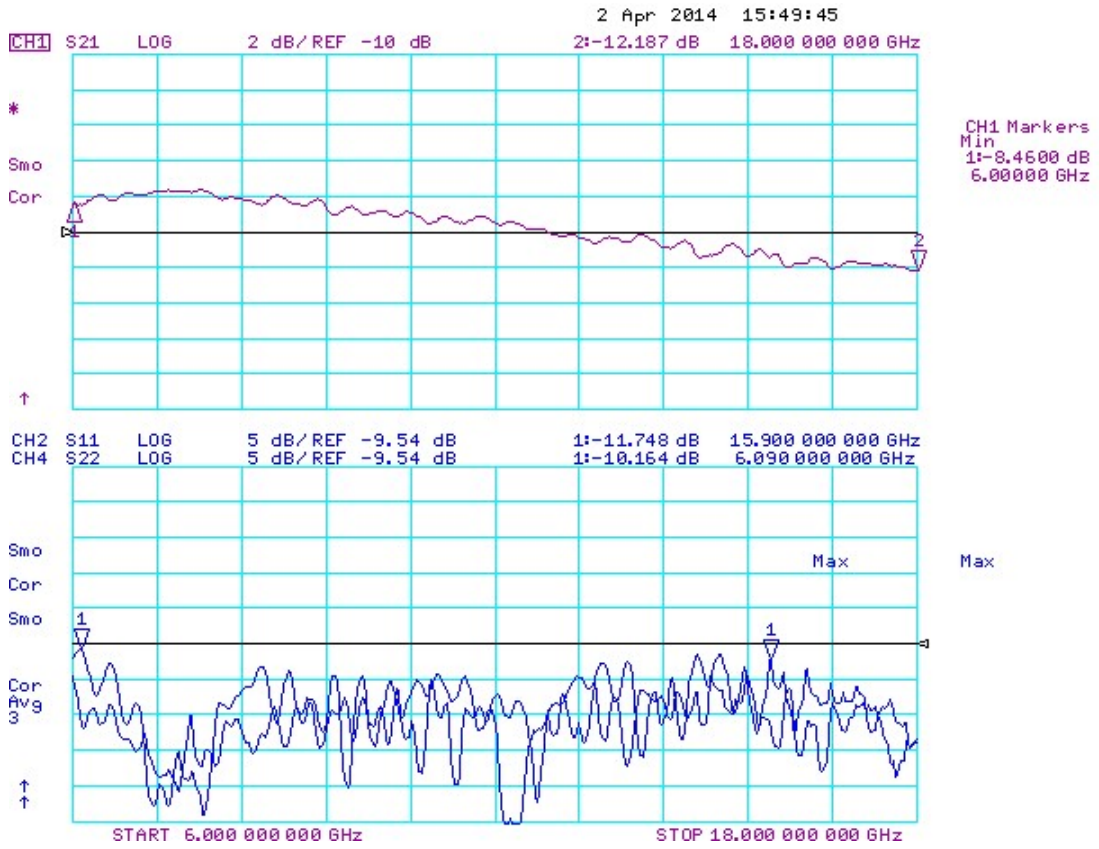
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Insertion Loss and VSWR IN/OUT
PSD-6G18G-CD-2



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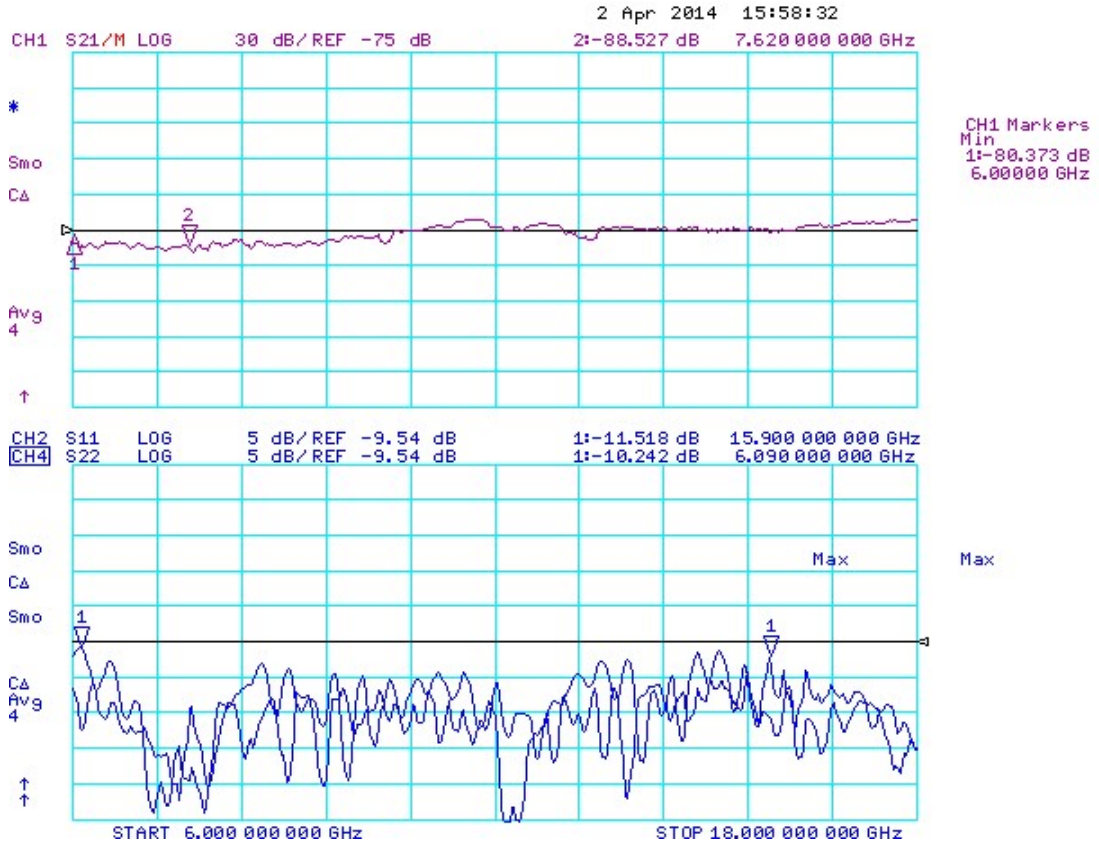
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Isolation Plots of
PSD-6G18G-CD-2



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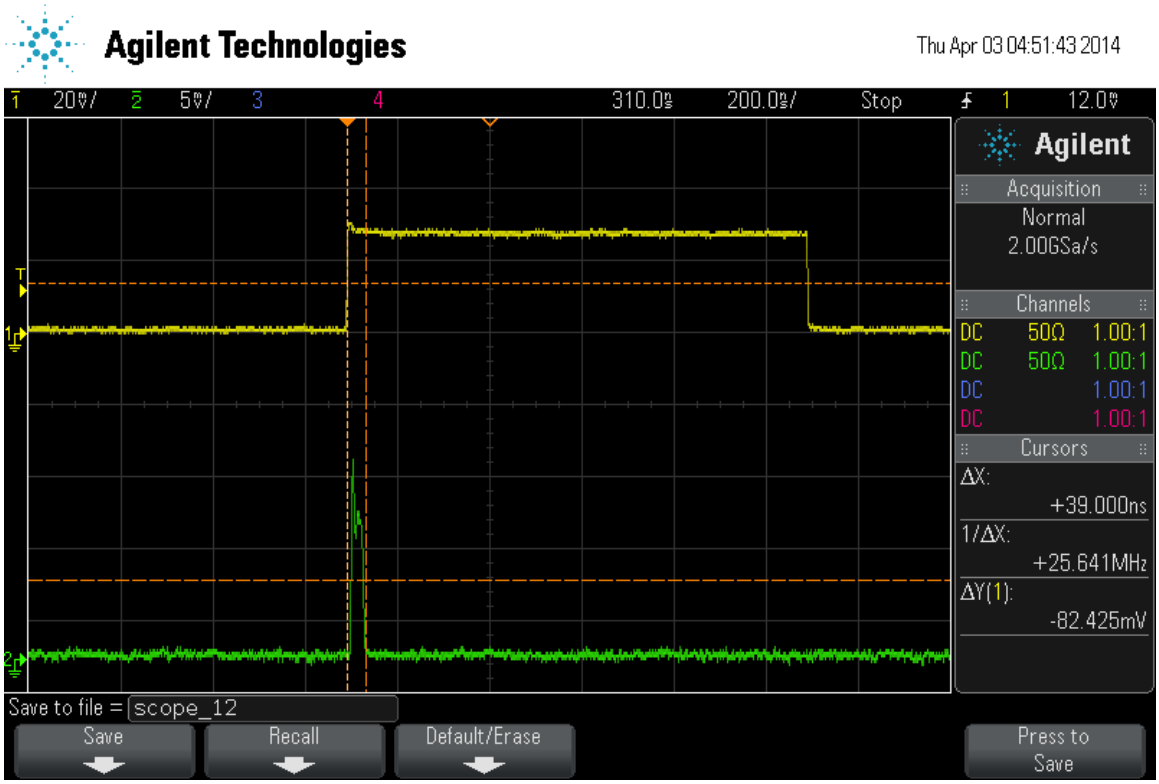
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Threshold Detector Blanking Switch
Full Pulse
PSD-6G18G-CD-2



CHANNEL 1 (YELLOW TRACE) RF INPUT PULSE.

CHANNEL 2 (GREEN TRACE) RF OUTPUT DEMONSTRATING WHEN BLANKING SWITCH ACTIVATES.

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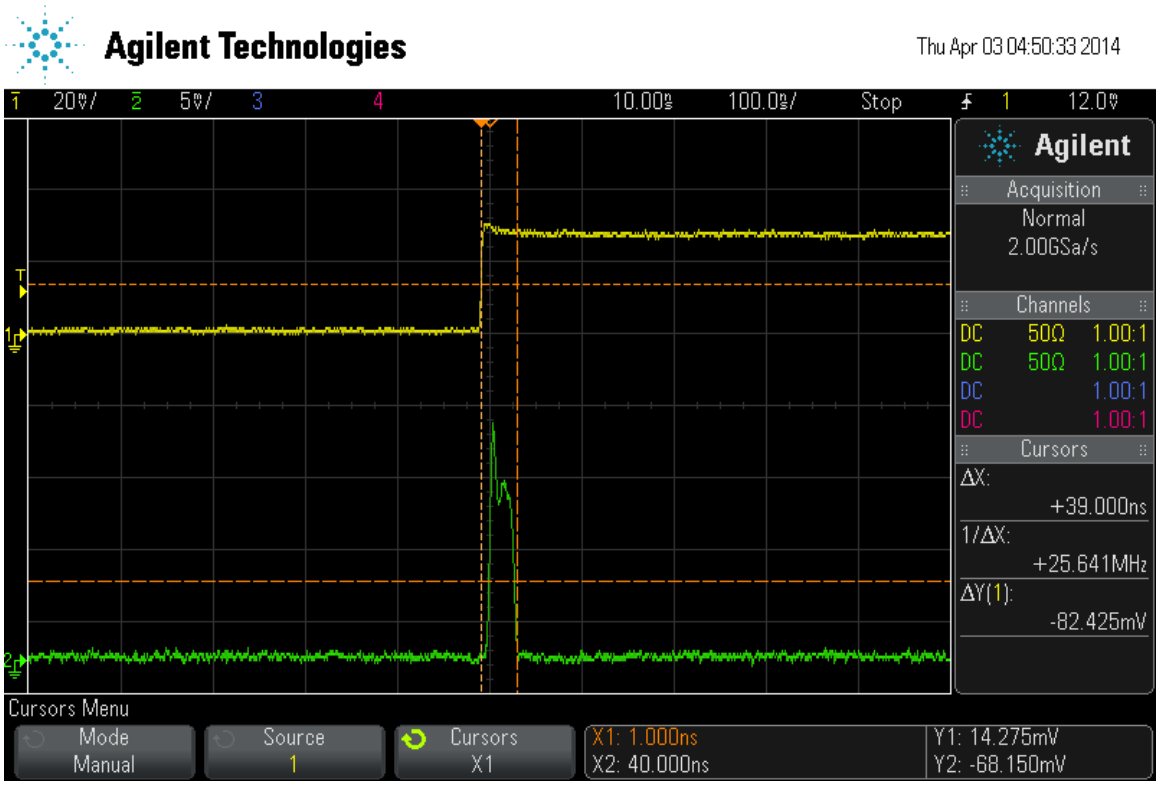
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Threshold Detector Blanking Switch
Turn On Time
PSD-6G18G-CD-2



CHANNEL 1 (YELLOW TRACE) RF INPUT PULSE.

CHANNEL 2 (GREEN TRACE) RF OUTPUT DEMONSTRATING WHEN BLANKING SWITCH ACTIVATES.

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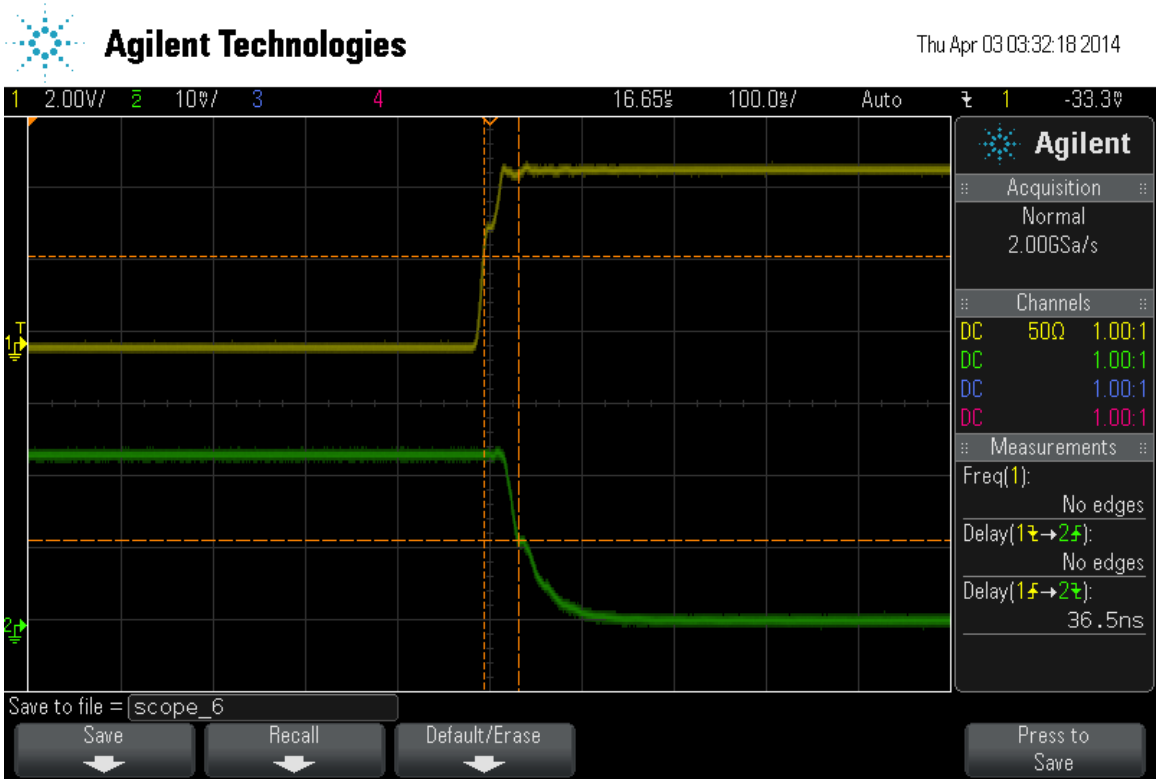
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Manual Override Blanking Switch
Turn Off Time
PSD-6G18G-CD-2



CHANNEL 1 (YELLOW TRACE) MANUAL OVERRIDE TTL INPUT.

CHANNEL 2 (GREEN TRACE) RF OUTPUT DEMONSTRATING WHEN BLANKING SWITCH ACTIVATES.

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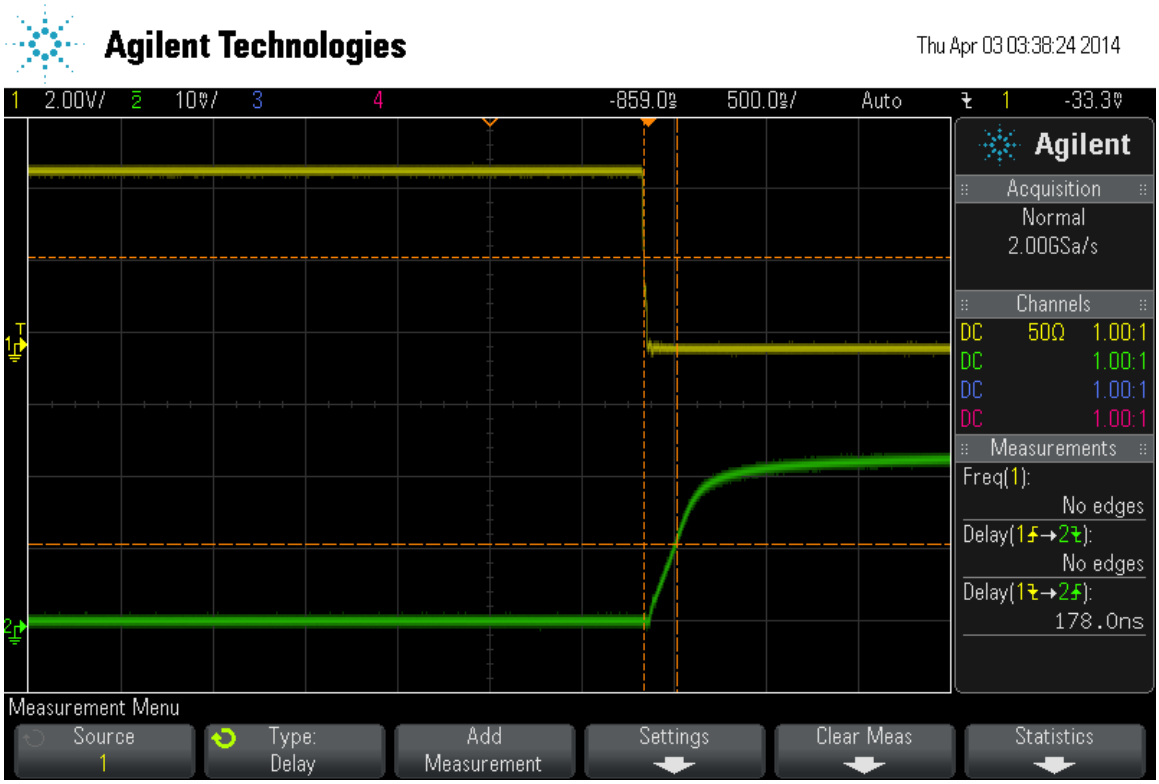
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Manual Override Blanking Switch
Turn On Time
PSD-6G18G-CD-2



CHANNEL 1 (YELLOW TRACE) MANUAL OVERRIDE TTL INPUT.

CHANNEL 2 (GREEN TRACE) RF OUTPUT DEMONSTRATING WHEN BLANKING SWITCH ACTIVATES.

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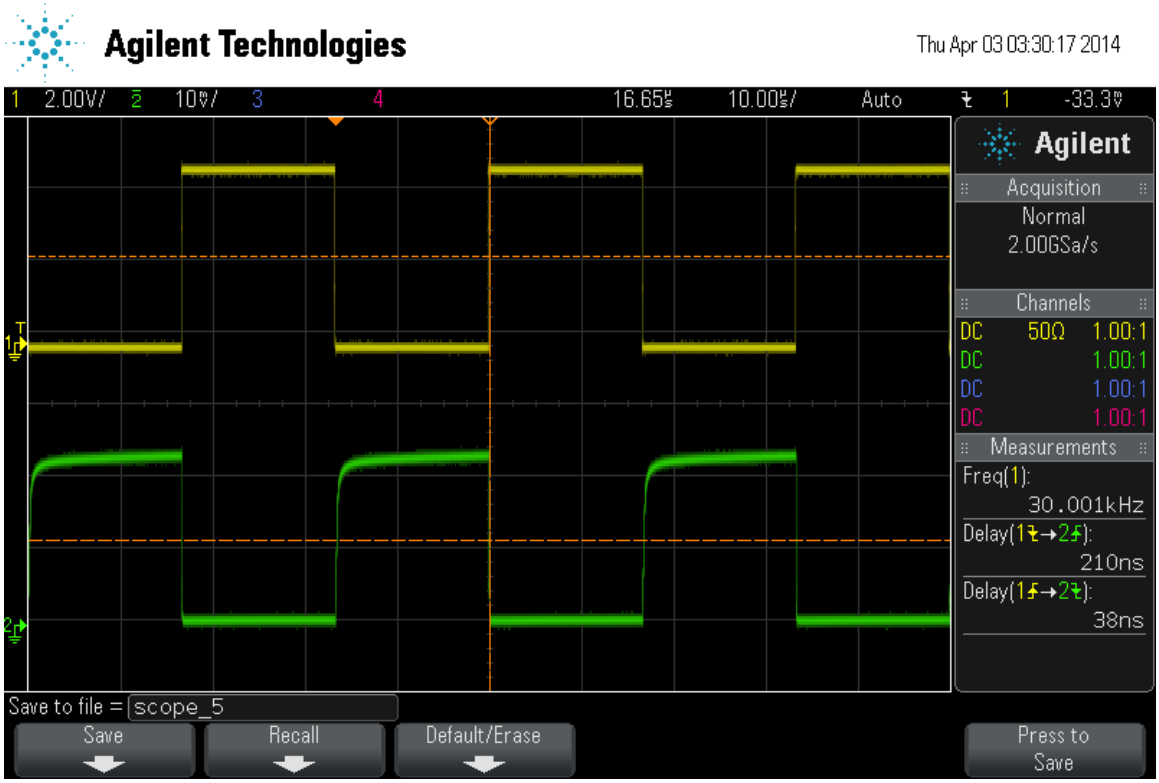
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Manual Override Blanking Switch
Full Pulse
PSD-6G18G-CD-2



CHANNEL 1 (YELLOW TRACE) MANUAL OVERRIDE TTL INPUT.

CHANNEL 2 (GREEN TRACE) RF OUTPUT DEMONSTRATING WHEN BLANKING SWITCH ACTIVATES.

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TYPICAL CHARACTERISTICS ON PSD-6G18G-CD-2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	1.0 TO 18.0 GHz	**1.0 TO 18.0 GHz**	
2	Isolation:	85 dB Typ.	**74.9 dB (See Plot)**	
3	Insertion Loss:	4.0dB Max, 3.0dB Typ.	**6.6 dB (See Plot)**	
4	VSWR (In/Out):	2.0:1 Max.	**1.93:1 (See Plot)**	
5	Operating Input Power:	*10 Watts CW Max	**Pass/Fail**	
6	RF Switching Speed:	50 ns Max.	**80 ns (See Plot)**	
7	DC Voltage:	+5 V @ 30mA Typ.	**99 mA**	
8	Control Signal:	Logic Table CTL | J1 – J2 0 | On 1 | Off	**Pass**	

*Not to be switched any higher than 50 KHz (PRI)

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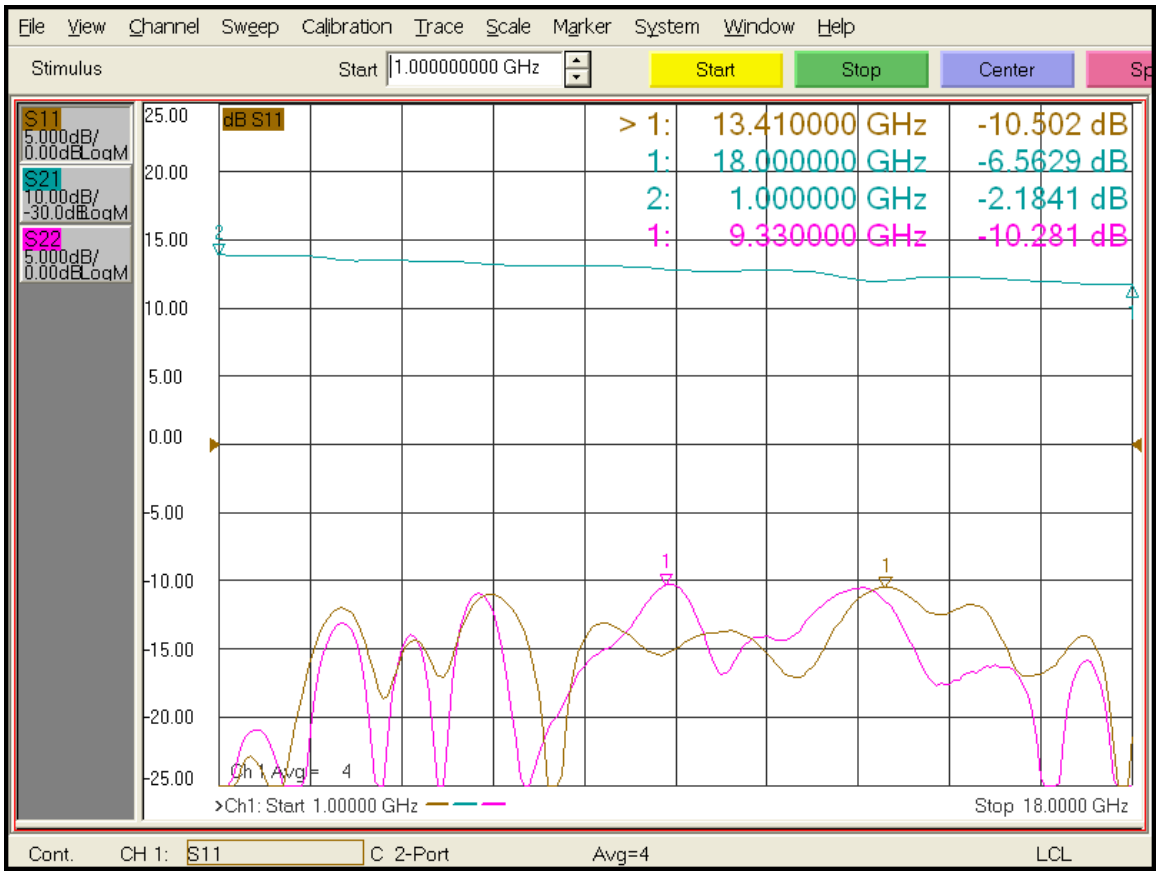
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Insertion Loss and VSWR IN/OUT



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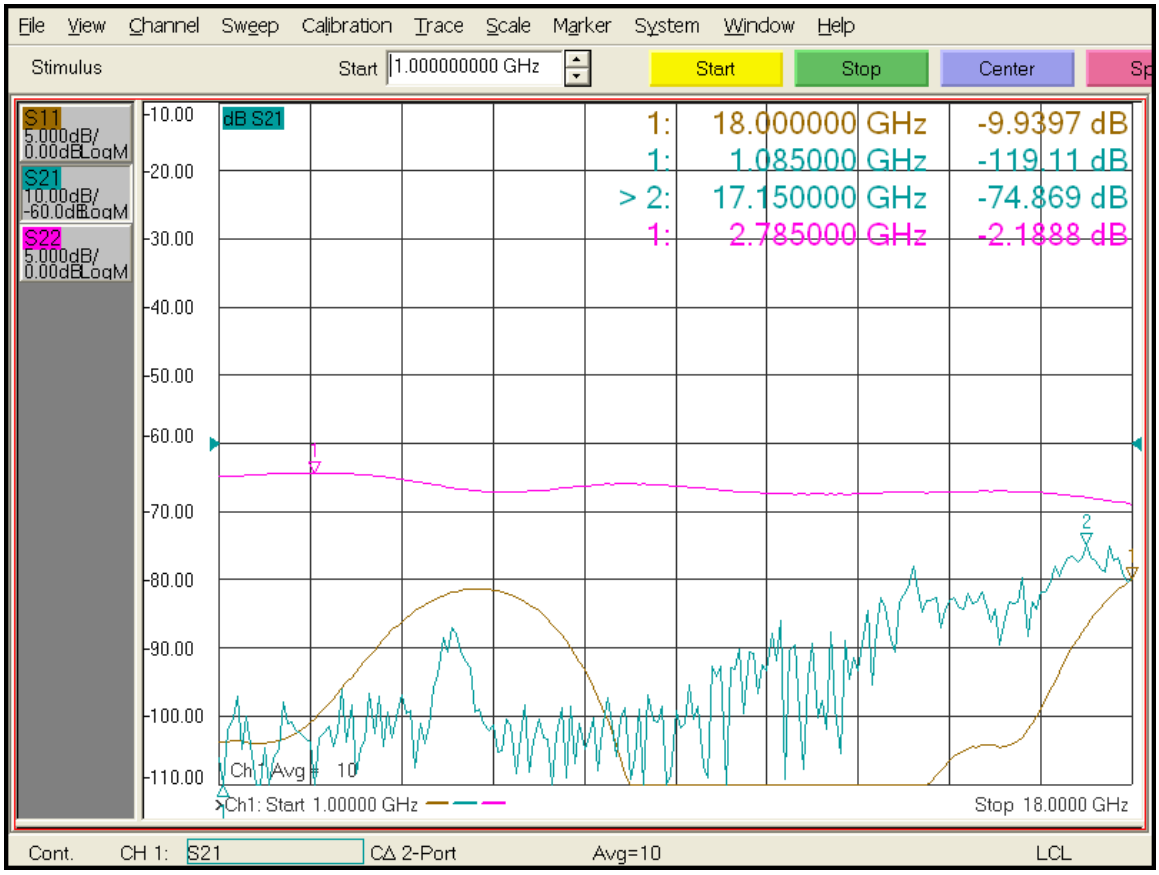
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

Isolation



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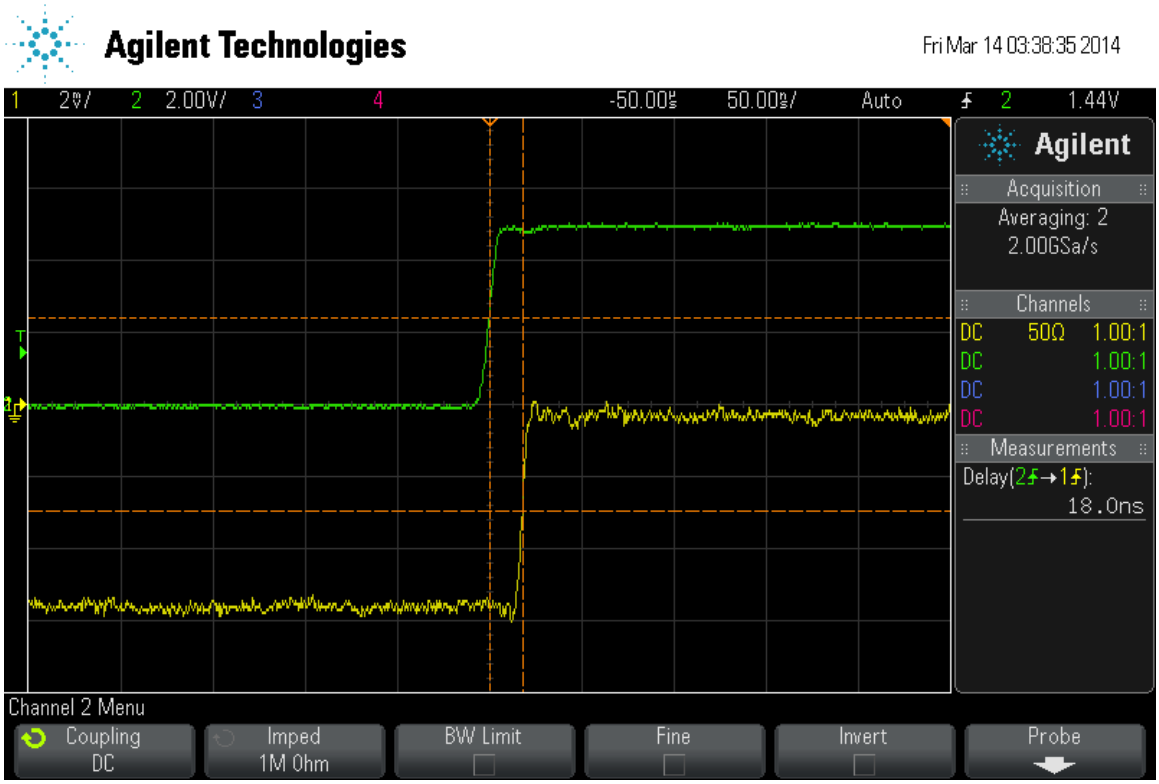
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

SWITCHING SPEED (TURN ON)



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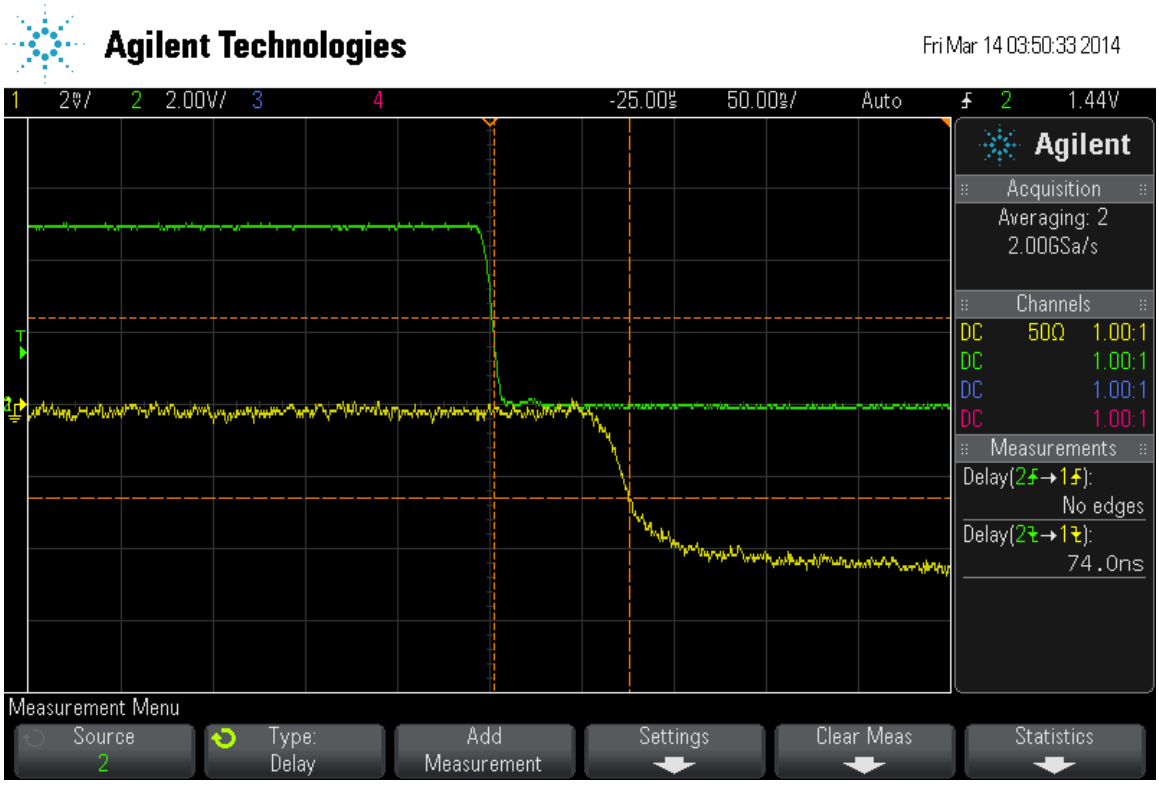
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

SWITCHING SPEED (TURN OFF)



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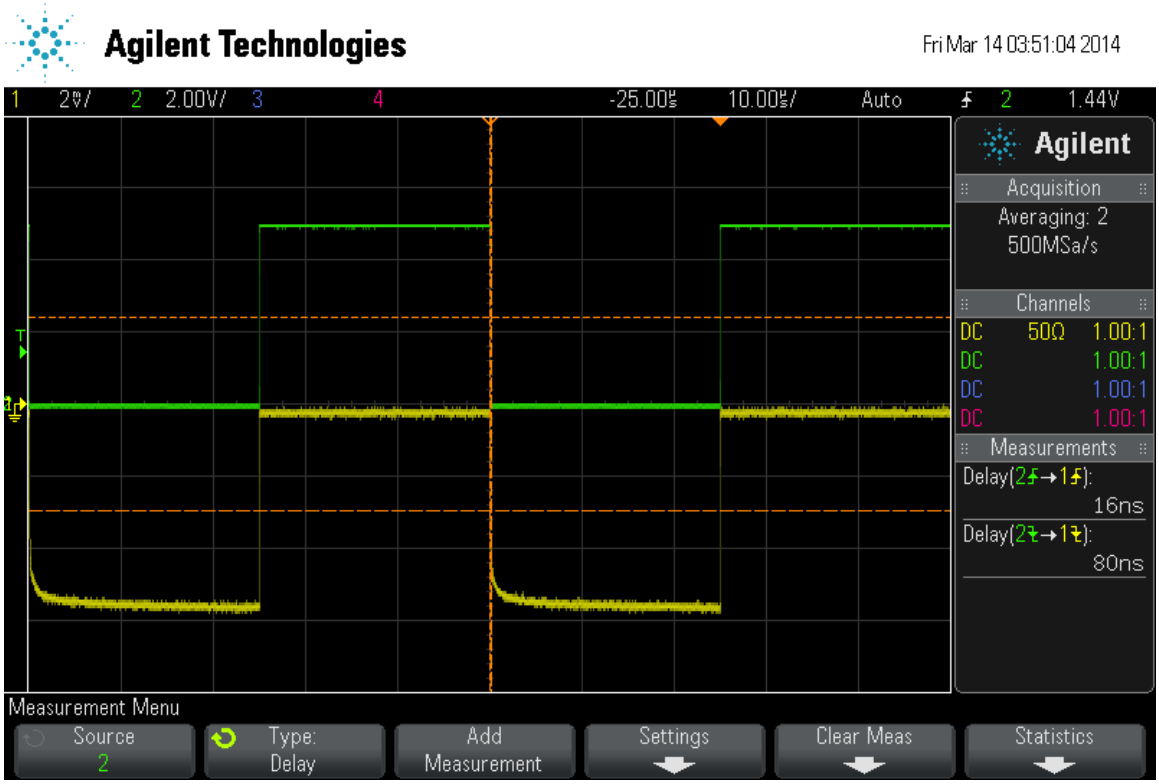
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

SWITCHING SPEED (FULL PULSE)



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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2 GHz – 18 GHz	**2 GHz – 18 GHz**	
2	Minimum Signal Level for Response:	-45 dBm ± 2.5dBm	**Pass**	
3	Propagation Delay from 50% Logic Output on leading edge for an Input of -45 dBm:	10 ns Typ 20 ns Max	**Pass**	
4	Propagation Delay from 50% RF Input to 50% Logic when Input -20 dBm:	10 ns Typ 20 ns Max	**Pass**	
5	DC Supply:	250mA @ +12VDC Max 120mA @ -12VDC Max	**277mA** **43mA**	

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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

PMI MODEL NUMBER DTA-2G18G-60-CD-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 2.0 TO 18 GHZ. THIS MODEL IS OFFERED IN A SLIM LINE HOUSING MEASURING ONLY 0.5" HIGH.

April 5, 2012
Designed by: Paul Kuhn
Drafted by: Simon Kuhn
Tested By: Kevin Mansfield /Paul Kuhn
Reported by: Kevin Mansfield

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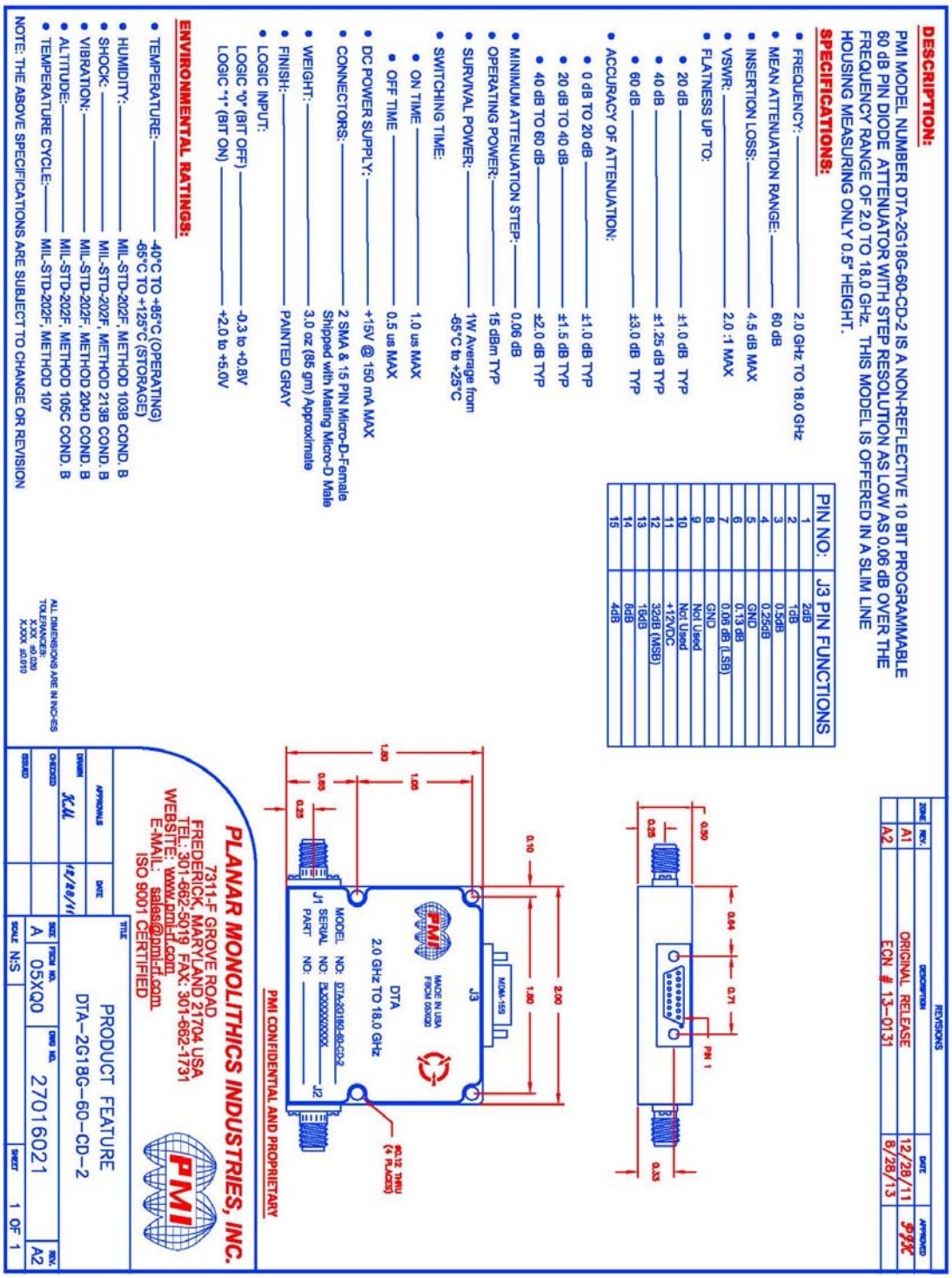
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2



DESCRIPTION:

PMI MODEL NUMBER DTA-2G18G-60-CD-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 2.0 TO 18.0 GHz. THIS MODEL IS OFFERED IN A SLIM LINE HOUSING MEASURING ONLY 0.5" HEIGHT.

SPECIFICATIONS:

- FREQUENCY: ——— 2.0 GHz TO 18.0 GHz
- MEAN ATTENUATION RANGE: ——— 60 dB
- 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
- OPERATING POWER: ——— 15 dBm TYP
- SURVIVAL POWER: ——— 1W Average from -65°C to +25°C
- SWITCHING TIME:
  - ON TIME ——— 1.0 us MAX
  - OFF TIME ——— 0.5 us MAX
- DC POWER SUPPLY: ——— +15V @ 150 mA MAX
- CONNECTORS: ——— 2 SMA & 15 PIN Micro-D-Female
- WEIGHT: ——— Shipped with Mating Micro-D Male 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

PIN NO:	J3 PIN FUNCTIONS
1	2dB
2	1dB
3	0.5dB
4	0.25dB
5	GND
6	0.13 dB
7	0.06 dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+12VDC
12	32dB (MSB)
13	16dB
14	8dB
15	4dB

ENVIRONMENTAL RATINGS:

- TEMPERATURE: ——— -40°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
	A1	ORIGINAL RELEASE	12/28/11	PMI
A2		ECN # 13-0131	8/28/13	

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.05
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
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WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

	APPROVALS	DATE
DRAWN		
CHECKED		12/28/11
ISSUED		

TITLE: PRODUCT FEATURE
DTA-2G18G-60-CD-2

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27016021	A2

SCALE: N/S — SHEET 1 OF 1

TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ +25°C

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	Insertion Loss:	4.5 dB Max.	4.38 dB	
3	VSWR:	2.0 : 1 Max.	1.59:1	
4	Flatness @ 10dB:	± 1.0 dB	± 0.18 dB	
5	Flatness @ 20dB:	± 1.0 dB	± 0.43 dB	
6	Flatness @ 40dB:	± 1.25 dB	± 0.86 dB	
7	Flatness @ 60dB:	± 3.0 dB	± 2.08 dB	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB	± 0.21 dB	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB	± 0.09 dB	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB	± 0.33 dB	
11	Switching Speed:	1.0 uSEC MAX	0.7 uSEC	
12	DC Supply:	+12VDC @ 155 mA	+12 VDC @ 136 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.06
0.50	0.45	0.05	0.08
1.00	0.86	0.14	0.09
2.00	1.80	0.20	0.09
4.00	3.86	0.14	0.10
8.00	7.87	0.13	0.16
16.00	15.81	0.19	0.31
32.00	31.95	0.05	0.68
63.75	63.86		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.83	0.17	0.12
10.00	9.90	0.10	0.18
15.00	14.86	0.14	0.28
20.00	19.91	0.09	0.43
25.00	24.95	0.05	0.56
30.00	30.00	0.00	0.66
35.00	34.95	0.05	0.72
40.00	39.93	0.07	0.86
45.00	44.91	0.09	1.01
50.00	50.23	-0.23	1.15
55.00	54.94	0.06	1.44
60.00	60.15	-0.15	2.08

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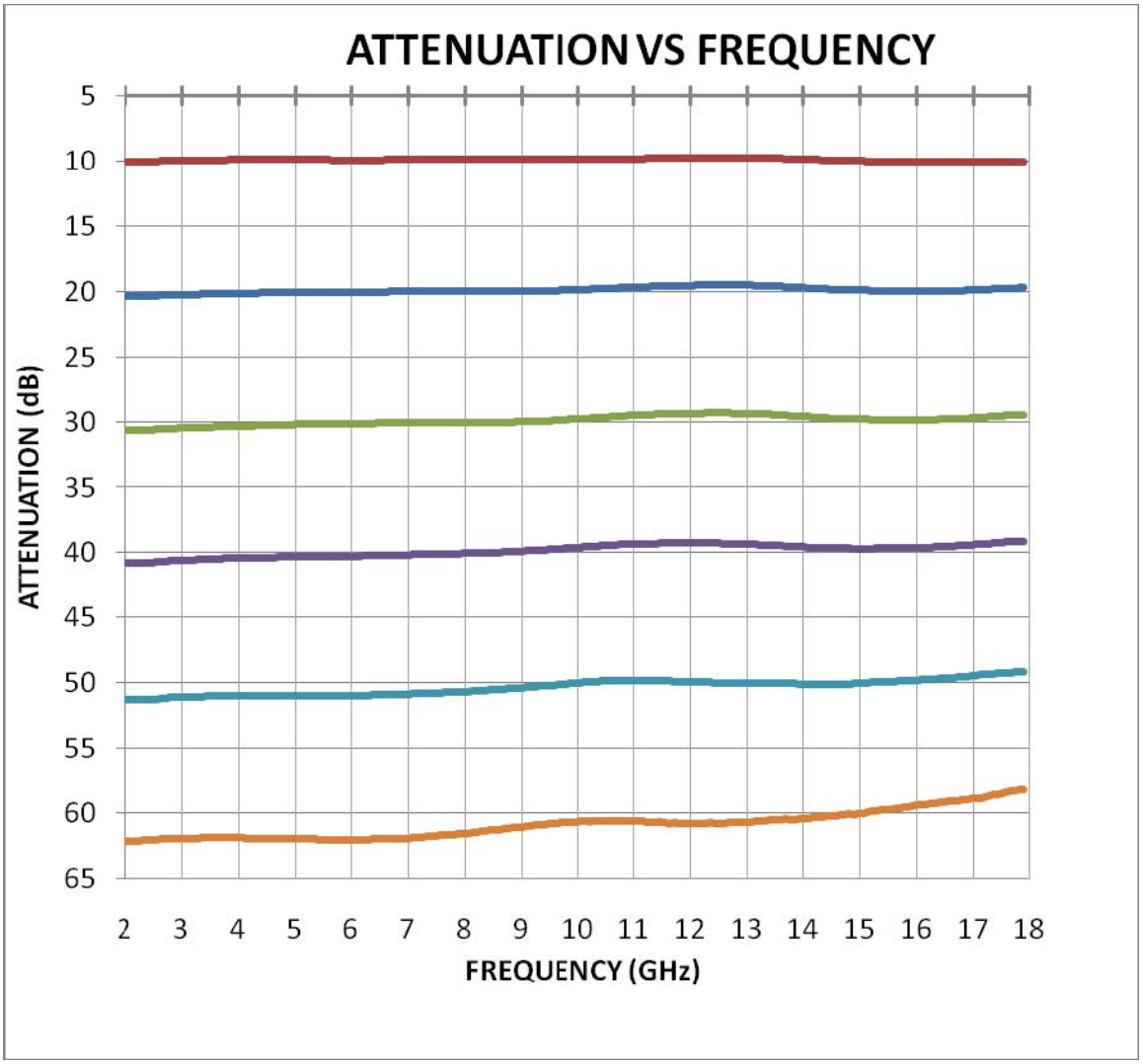
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ 25°C



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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

SWEPT TEST DATA ON DTA-2G18G-60-CD-2
@ 25°C

Insertion Loss and VSWR
+25°C @ 0dB Attenuation

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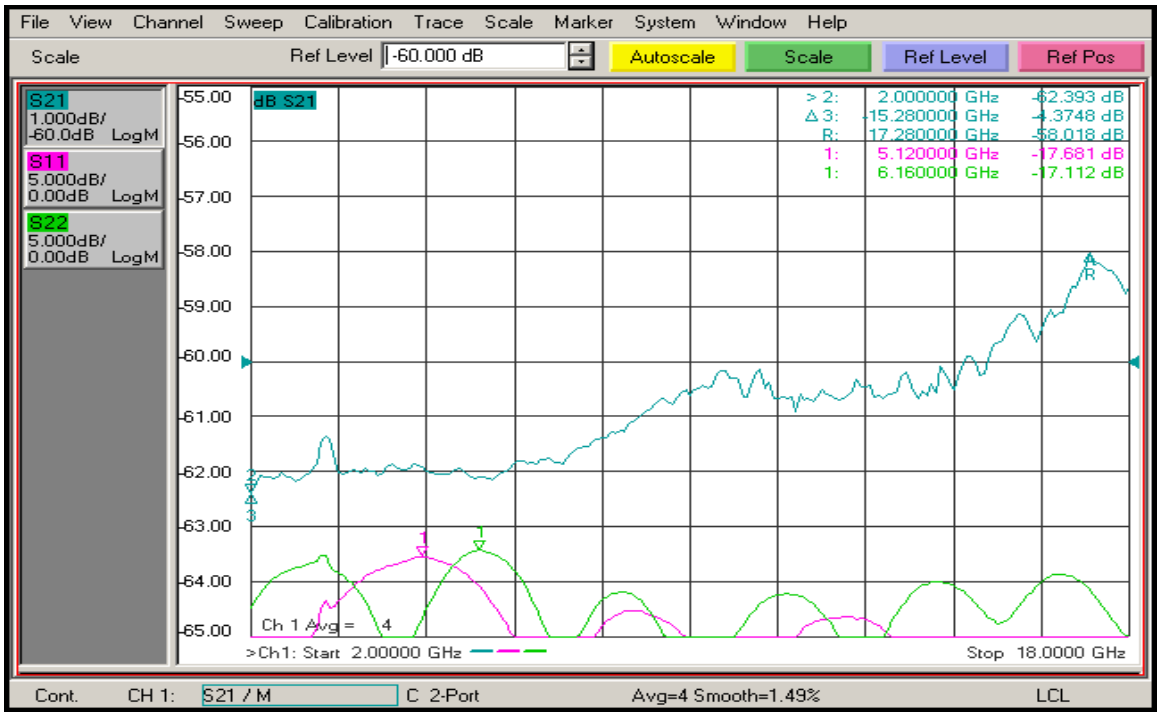
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

SWEPT TEST DATA ON DTA-2G18G-60-CD-2
@ 25°C

+25°C 60dB Attenuation



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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ 40°C

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	Insertion Loss:	4.5 dB Max.	4.37 dB	
3	VSWR:	2.0 : 1 Max.	1.50 :1	
4	Flatness @ 10dB:	± 1.0 dB	± 0.22 dB	
5	Flatness @ 20dB:	± 1.0 dB	± 0.93 dB	
6	Flatness @ 40dB:	± 1.25 dB	± 2.64 dB	
7	Flatness @ 60dB:	± 3.0 dB	± 4.2 dB	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB	± 0.81 dB	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB	± 0.69 dB	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB	± 1.58 dB	
11	Switching Speed:	1.0 uSEC MAX	0.7 uSEC	
12	DC Supply:	+12VDC @ 155 mA	+12 VDC @ 132 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.32	-0.07	0.09
0.50	0.57	-0.07	0.12
1.00	1.05	-0.05	0.14
2.00	2.08	-0.08	0.16
4.00	4.28	-0.28	0.15
8.00	8.48	-0.48	0.18
16.00	16.60	-0.60	0.58
32.00	31.83	0.17	1.95
63.75	62.08		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.30	-0.30	0.16
10.00	10.62	-0.62	0.22
15.00	15.66	-0.66	0.50
20.00	20.51	-0.51	0.93
25.00	25.25	-0.25	1.36
30.00	30.01	-0.01	1.77
35.00	34.67	0.33	2.19
40.00	39.31	0.69	2.64
45.00	44.04	0.96	3.10
50.00	49.19	0.81	3.38
55.00	53.79	1.21	3.72
60.00	58.54	1.46	4.20

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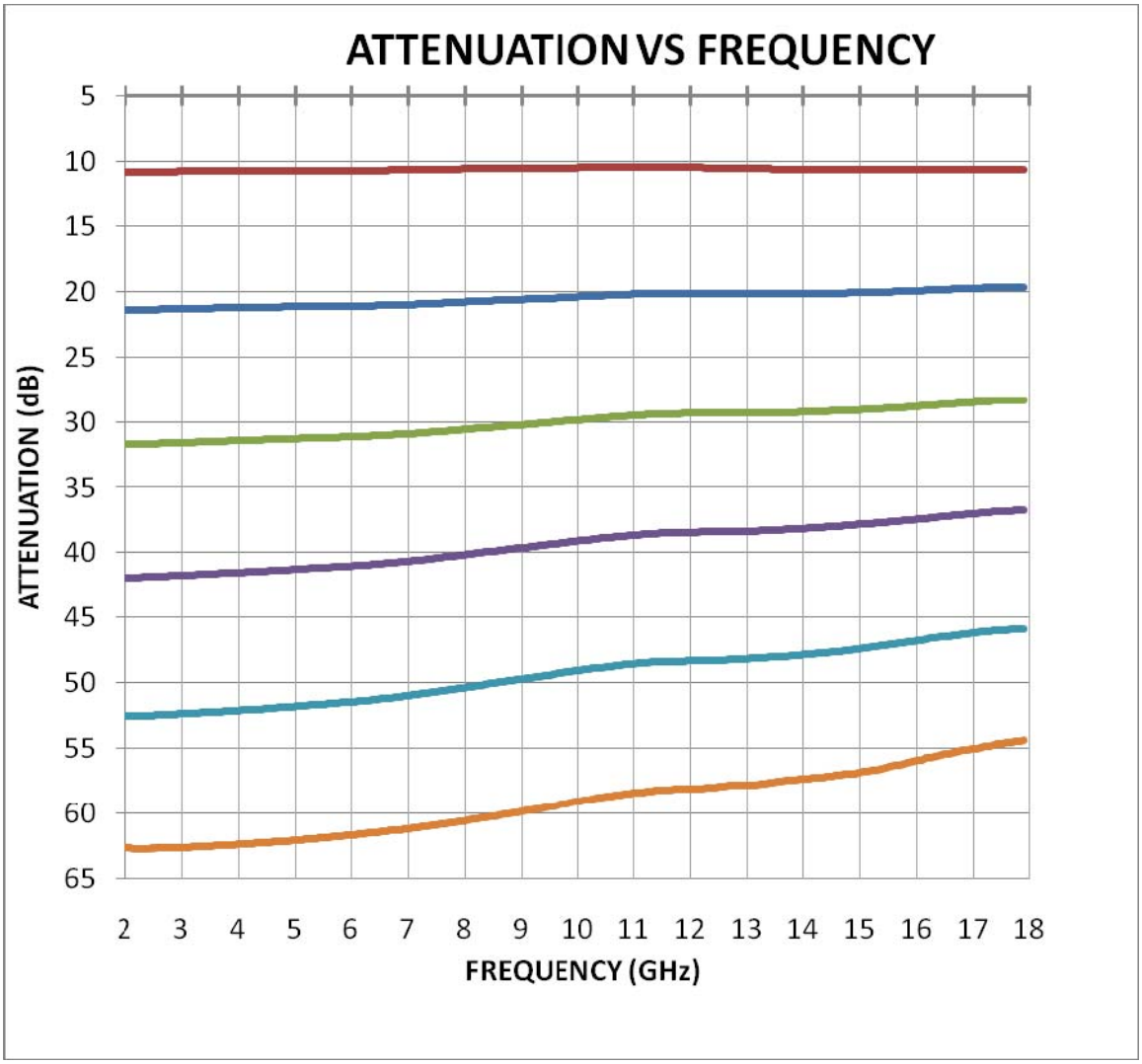
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ 40°C



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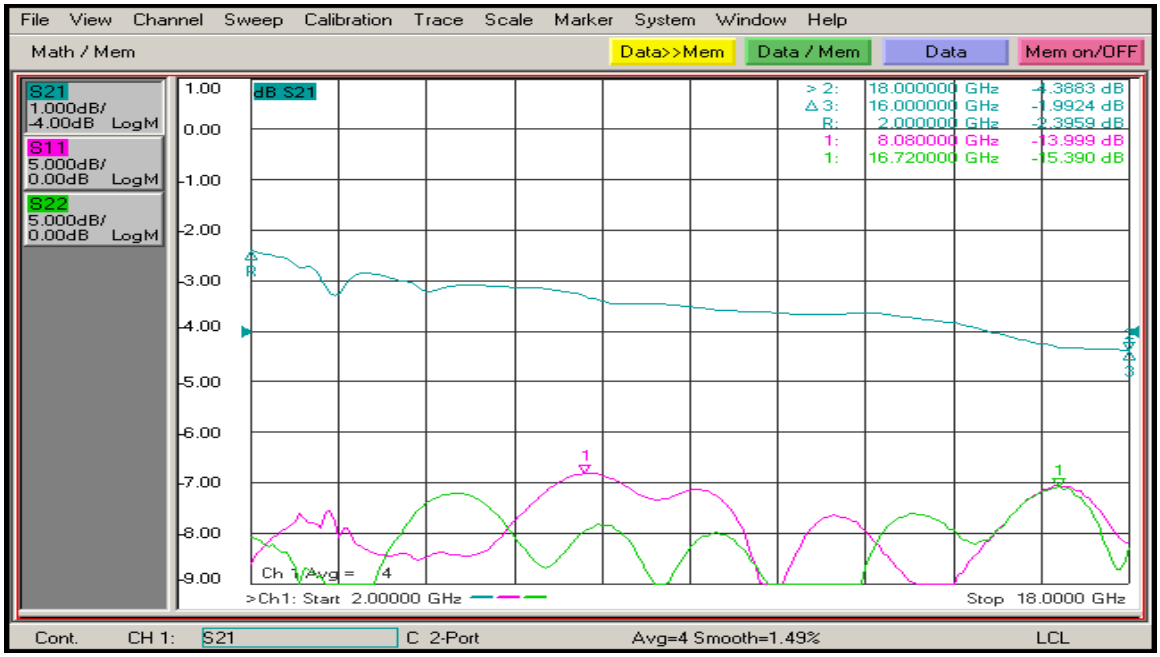
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ 40°C

Insertion Loss and VSWR
-40°C @ 0dB Attenuation



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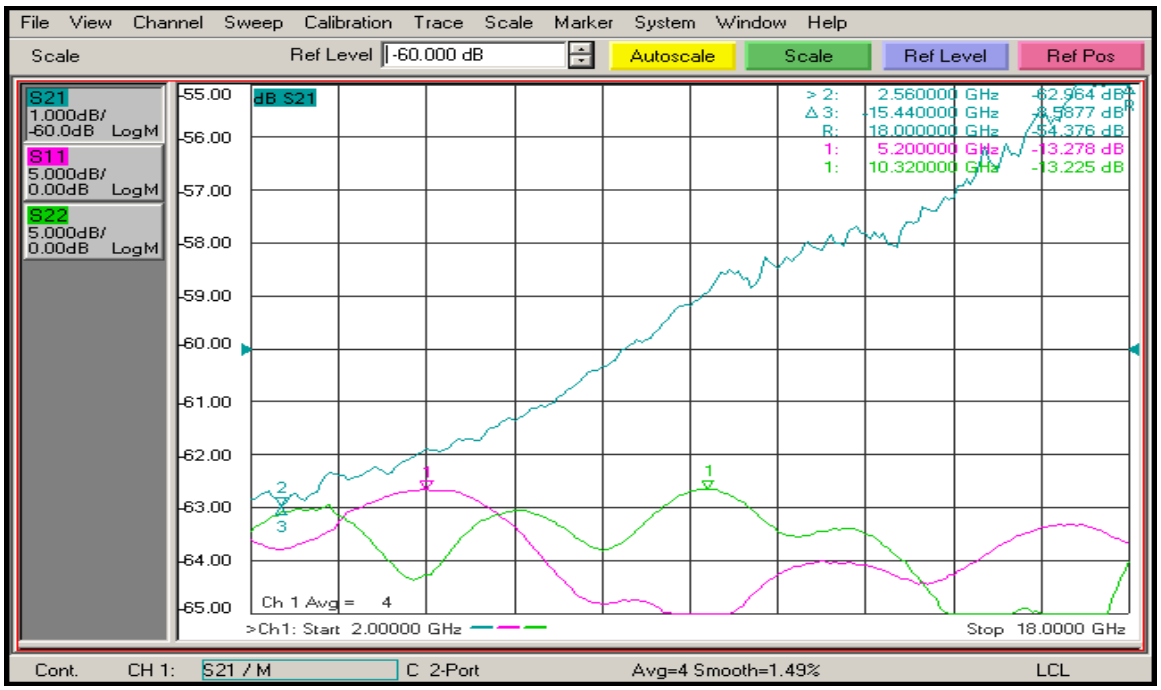
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ 40°C

-40°C 60dB Attenuation



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TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ +85°C

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	Insertion Loss:	4.5 dB Max.	4.5 dB	
3	VSWR:	2.0 : 1 Max.	1.51:1	
4	Flatness @ 10dB:	± 1.0 dB	± 0.29 dB	
5	Flatness @ 20dB:	± 1.0 dB	± 0.44 dB	
6	Flatness @ 40dB:	± 1.25 dB	± 0.43 dB	
7	Flatness @ 60dB:	± 3.0 dB	± 1.38 dB	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB	± 0.31 dB	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB	± 0.83 dB	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB	± 1.86 dB	
11	Switching Speed:	1.0 uSEC MAX	0.7 uSEC	
12	DC Supply:	+12VDC @ 155 mA	+12 VDC @ 134 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.19	0.06	0.05
0.50	0.38	0.12	0.06
1.00	0.78	0.22	0.07
2.00	1.69	0.31	0.08
4.00	3.82	0.18	0.18
8.00	7.87	0.13	0.27
16.00	15.98	0.02	0.36
32.00	32.61	-0.61	0.51
63.75	64.90		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.79	0.21	0.21
10.00	9.96	0.04	0.29
15.00	15.00	0.00	0.35
20.00	20.19	-0.19	0.44
25.00	25.36	-0.36	0.51
30.00	30.61	-0.61	0.54
35.00	35.74	-0.74	0.50
40.00	40.83	-0.83	0.43
45.00	46.01	-1.01	0.33
50.00	51.60	-1.60	0.35
55.00	56.58	-1.58	0.79
60.00	61.74	-1.74	1.38

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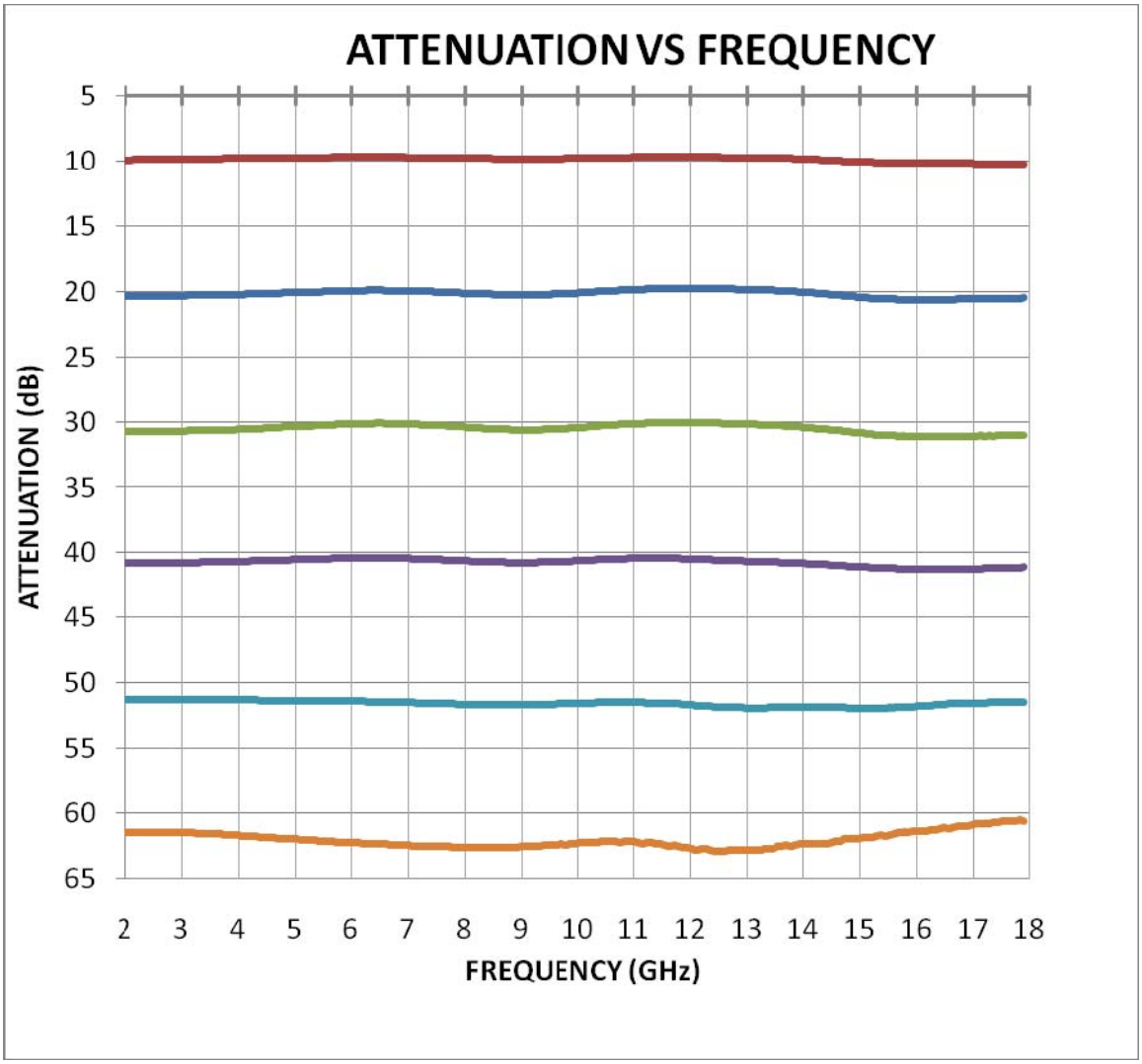
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ +85°C



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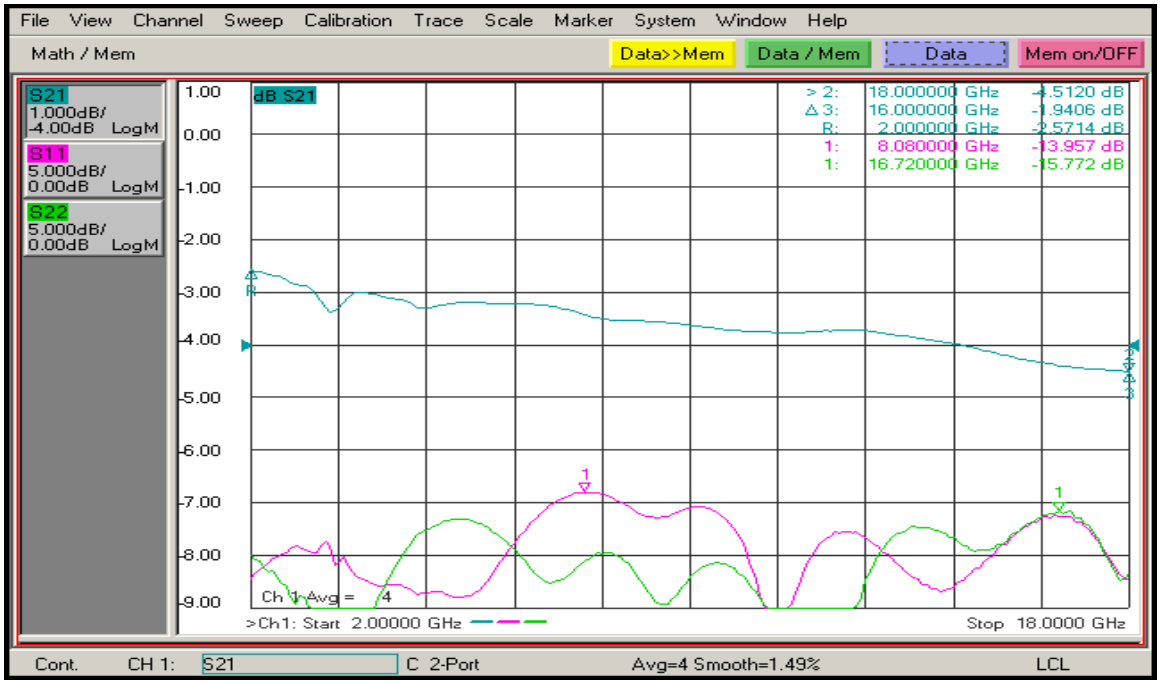
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ +85°C

Insertion Loss and VSWR
+85°C @ 0dB Attenuation



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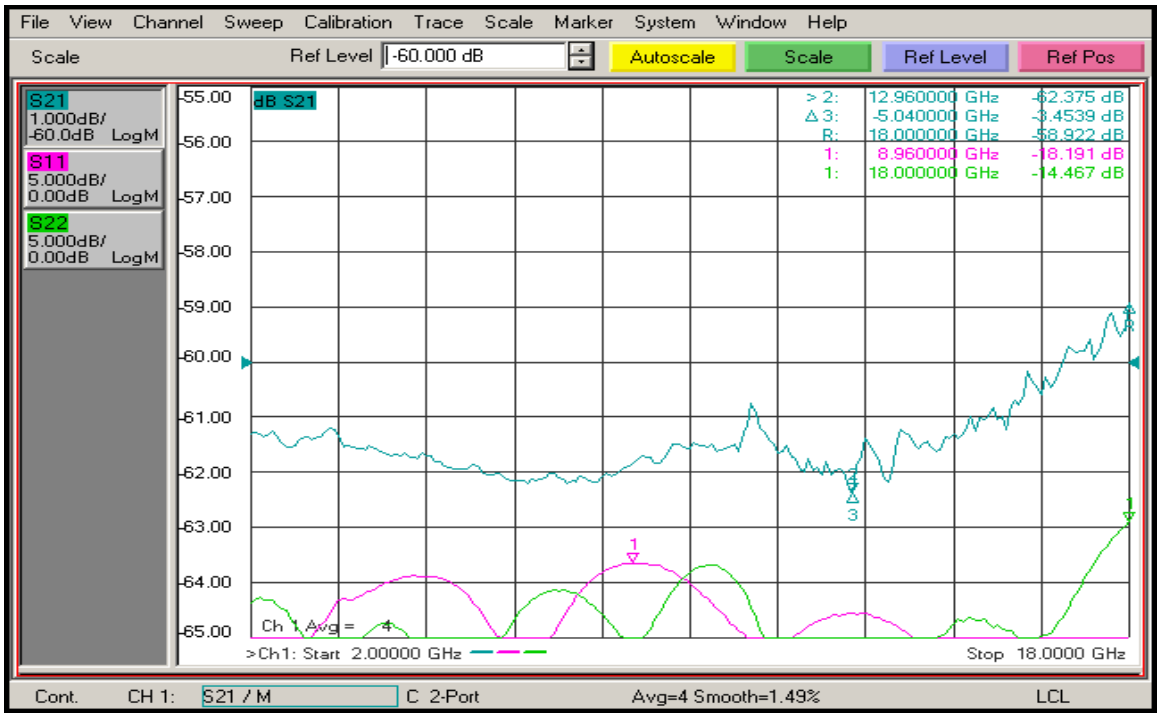
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2
@ +85°C

+85°C 60dB Attenuation



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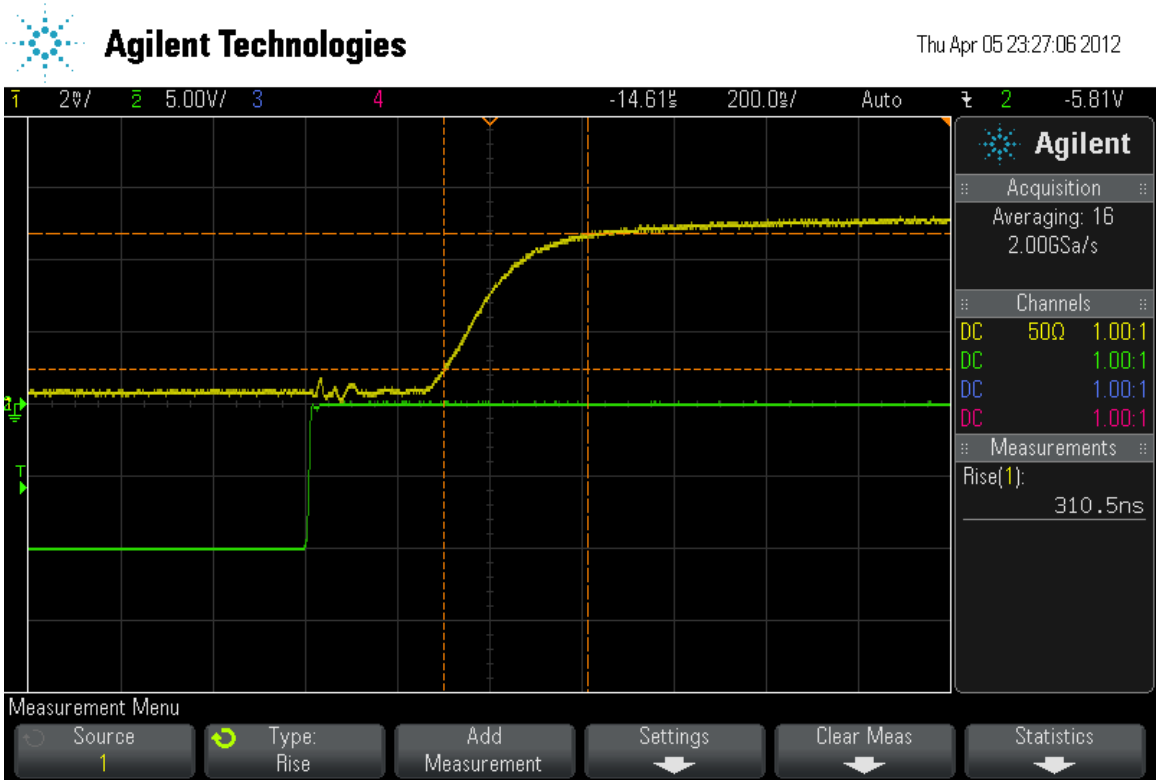
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2

Delay On
Measured with a Tunnel Diode @ 10GHz
Power Level +5dBm



Channel 1 (Yellow): Tunnel Diode output

Channel 2 (Green): TTL Input from Signal Generator

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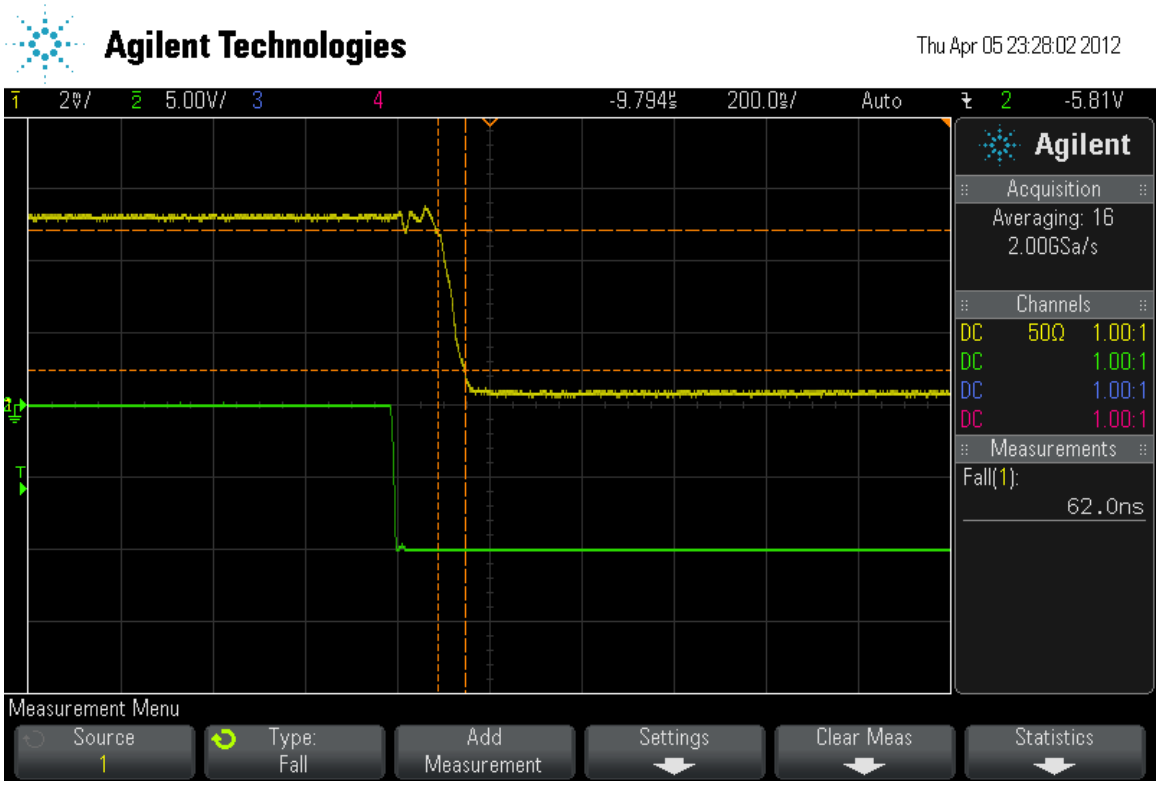
TYPICAL CHARACTERISTICS
ON
PSD-6G18G-CD-2

TEST DATA ON DTA-2G18G-60-CD-2

Delay Off
Measured with a Tunnel Diode @ 10GHz
Power Level +5dBm



Channel 1 (Yellow): Tunnel Diode output

Channel 2 (Green): TTL Input from Signal Generator

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