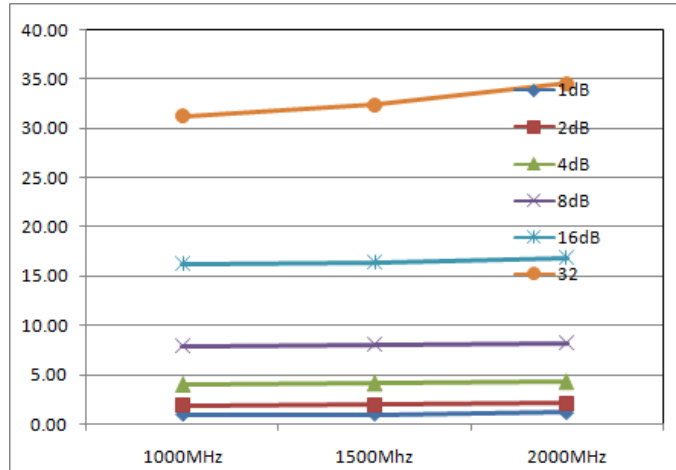
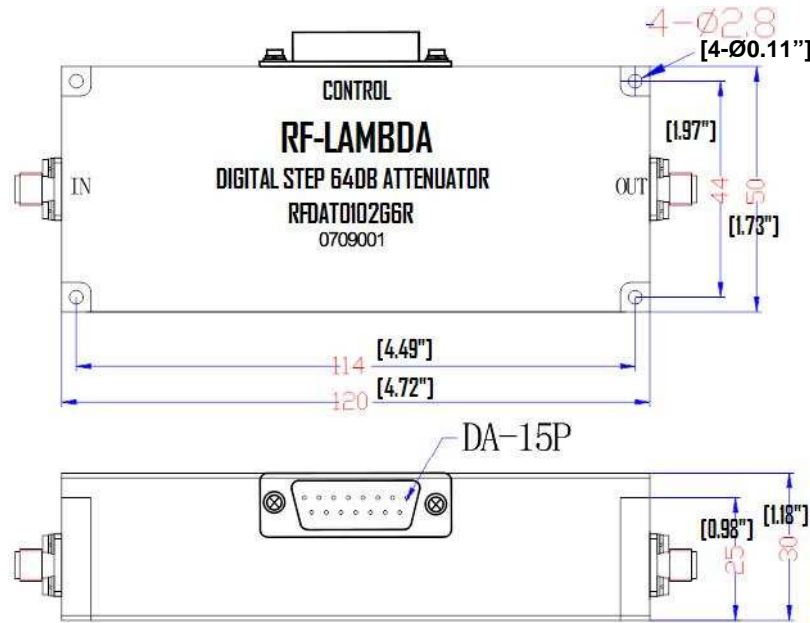


1.0	Mechanical Specifications	
1.1	Basis-material	Brass
1.2	Coaxial Connector	SMA Female
1.3	External Body Finish	Nickel plating

3.0	Electrical Specifications																																																									
3.1	Frequency Range	1.0GHz-2.0GHz																																																								
3.2	Max. VSWR	1.50:1 max.																																																								
3.3	Power	1-100W available Absorptive 0.2W~1.0W CW Reflective 1W~50W CW 25W CW (as shown)																																																								
3.4	Insertion Loss	1.5dB typ. 2.0dB max.																																																								
3.5	VSWR	1.50 : 1																																																								
3.6	Switching speed	1us																																																								
3.7	TTL Control	<table border="1"> <tr> <td>C5</td><td>C4</td><td>C3</td><td>C2</td><td>C1</td><td>Co</td><td>Atten</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>IL</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>1dB</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>2dB</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>4dB</td> </tr> <tr> <td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>8dB</td> </tr> <tr> <td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>16dB</td> </tr> <tr> <td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>32dB</td> </tr> </table>	C5	C4	C3	C2	C1	Co	Atten	0	0	0	0	0	0	IL	0	0	0	0	0	1	1dB	0	0	0	0	1	0	2dB	0	0	0	1	0	0	4dB	0	0	1	0	0	0	8dB	0	1	0	0	0	0	16dB	1	0	0	0	0	0	32dB
C5	C4	C3	C2	C1	Co	Atten																																																				
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0	1	0	0	0	0	16dB																																																				
1	0	0	0	0	0	32dB																																																				
3.8	DC Control	+5V (35mA) -5V(1.5A) +38V (20mA)																																																								
3.9	DB15 PIN	<table border="1"> <tr> <td>PIN 1</td><td>+5V</td> </tr> <tr> <td>PIN 2</td><td>GND</td> </tr> <tr> <td>PIN 3</td><td>-5V</td> </tr> <tr> <td>PIN 4</td><td>+38V</td> </tr> <tr> <td>PIN 5</td><td>C1</td> </tr> <tr> <td>PIN 6</td><td>C2</td> </tr> <tr> <td>PIN 7</td><td>C3</td> </tr> <tr> <td>PIN 8</td><td>C4</td> </tr> <tr> <td>PIN 9</td><td>C5</td> </tr> <tr> <td>PIN 10</td><td>C6</td> </tr> <tr> <td>PIN 11-15</td><td>GND</td> </tr> </table>	PIN 1	+5V	PIN 2	GND	PIN 3	-5V	PIN 4	+38V	PIN 5	C1	PIN 6	C2	PIN 7	C3	PIN 8	C4	PIN 9	C5	PIN 10	C6	PIN 11-15	GND																																		
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Setting	1dB	2dB	4dB	8dB	16dB	32dB
1000MHz	0.97	1.91	4.01	7.90	16.28	31.27
1500MHz	1.00	1.99	4.13	8.02	16.44	32.41
2000MHz	1.15	2.11	4.28	8.20	16.89	34.55




ABSORPTIVE / REFLECTIVE PIN DIODE ATTENUATOR

1.0-2.0GHz

-RFDAT0102G6R (Reflective)
-RFDAT0102G6A (Absorptive)



2.0	Environment specifications	
2.1	Operation Temp.	-40°C~+85°C
2.2	Storage Temp.	-50°C~+125°C
2.3	Altitude	45000 ft
2.4	Vibration	10g rms (15 degree 2KHz)
2.5	Humidity	100% RH at 35c, 95%RH at 40 deg c
2.6	Shock	20G for 11msc

PAGE 1 OF 1	DATE APR 28TH 2007
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 RFDAT0102G6R/A PIN DIODE ATTENUATOR	RF-LAMBDA RFAC
www.rflambda.com	CAD MODEL REVISION 05
RF-LAMBDA	ASSEMBLY REVISION V508
SIZE LT	ASSEMBLY NAME RFLVR6
SHEETS 1 OF 1	DRAWING NUMBER D01-5