

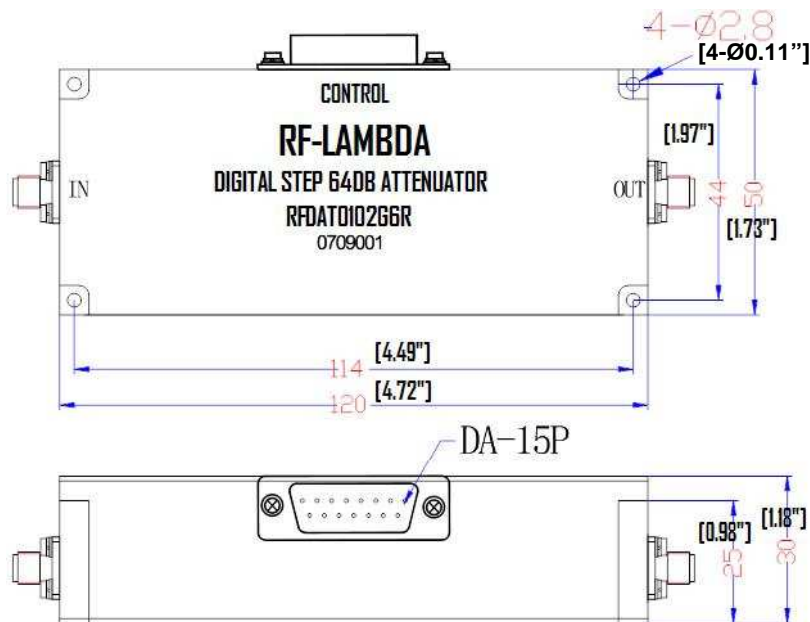
3.0	Electrical Specifications																																																																
3.1	Frequency Range	8.0GHz-12.0GHz																																																															
3.2	Attenuation Range	63dB min																																																															
3.3	Power	1~10W upon request																																																															
3.4	Insertion Loss	4.5dB typ, 6.0dB max.																																																															
3.5	Max. VSWR	2.0:1 at Attenuat < 10.0 dB																																																															
3.6	Step	1dB																																																															
3.7	Accuracy	+/-1.0dB																																																															
3.8	Flatness	+/-1.5dB																																																															
3.9	Switching speed	100ns typ, 200ns max. (for 1W)																																																															
3.A	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> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>64dB</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	1	1	1	1	1	1	64dB
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1	0	0	0	0	0	32dB																																																											
1	1	1	1	1	1	64dB																																																											
3.B	DC Control	+5V (100mA) -5V (100mA)																																																															
3.C	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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REFLECTIVE PIN DIODE ATTENUATOR 8.0-12.0GHz -RFDAT0812G6R (Reflective)

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

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



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 RFDAT0812G6R PIN DIODE ATTENUATOR www.rflambda.com	CAD MODEL REVISION 05
	ASSEMBLY REVISION VS08
	ASSEMBLY NAME RFLVR6
	DRAWING NUMBER D01-5
RF-LAMBDA	SIZE LT SHEETS 1 OF 1