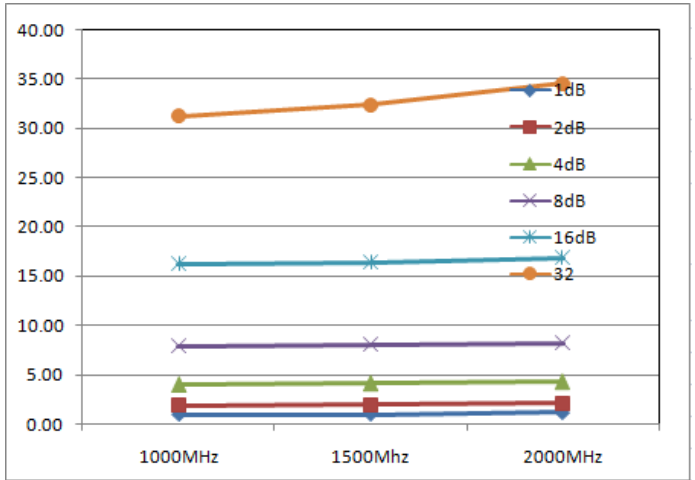
ABSORPTIVE /REFLECTIVE PIN DIODE ATTENUATOR 1.0-2.0GHz

-RFDAT0102G6R (Reflective)

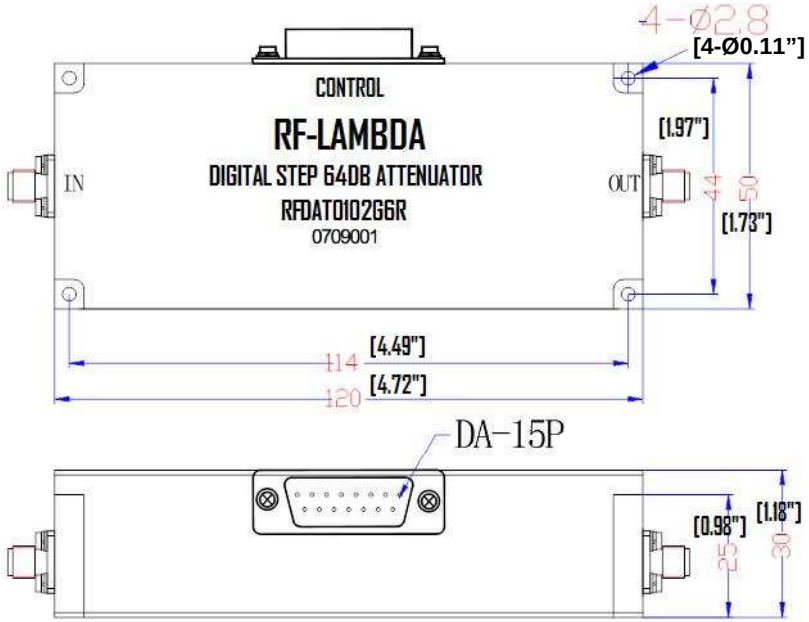
-RFDAT0102G6A (Absorptive)

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	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
3.8	DC Control	+5V (35mA) -5V(1.5A) +38V (20mA)
3.9	DB15 PIN	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



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



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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DATE APR 28TH 2007

DESIGN RFAC

RF-LAMBDA RFAC

CAD MODEL REVISION 05

ASSEMBLY REVISION VS08

ASSEMBLY NAME RFLVR6

DRAWING NUMBER D01-5

RFDAT0102G6R/A
PIN DIODE
ATTENUATOR

www.rflambda.com

RF-LAMBDA

SIZE LT

SHEETS 1 OF 1