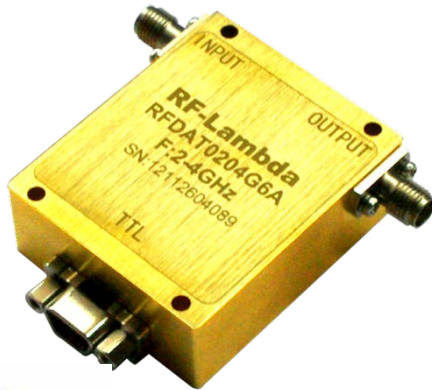




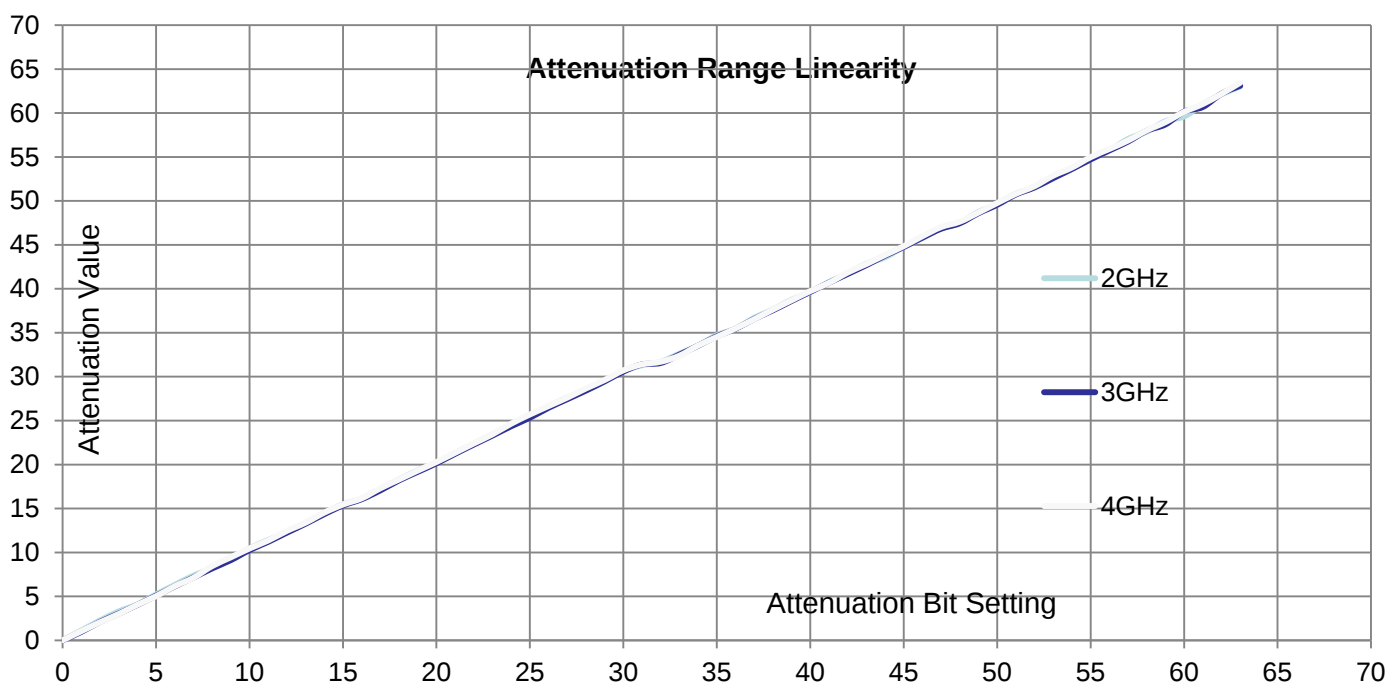
ABSORPTIVE 2-4 GHz 6 Bits 64dB PIN DIODE ATTENUATOR



Features

- Wide Band Operation 2.0-4.0GHz
- High Power Handle Capability up to 1W upon request.
- High Adjustment range 64dB 64 steps.
- Temperature Range -40°C~+85°C
- Customization available upon request
- Ultra wide band flat response.

PN: RFDAT0204G6A								
Frequenc y (GHz)	Insert. Loss (dB)	VSWR	Control bits	Step (dB)	Attenuatio n Range (dB)	Flatness (dB)	Power (Watts)	Switching Speed
2-4	3.0dB typ. 3.5dB max.	1.5	6	1.0dB	63	± 0.5	P1dB 1W	50ns typ, 100ns max

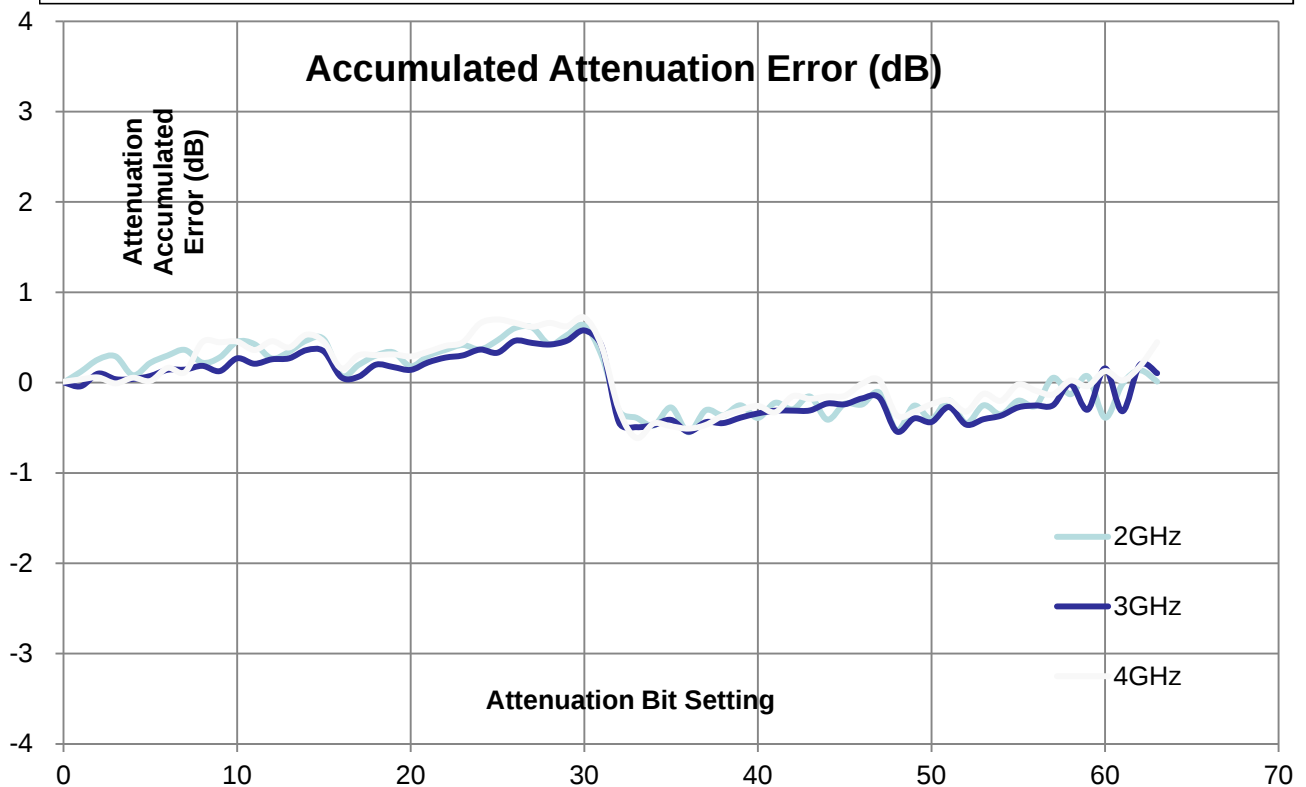
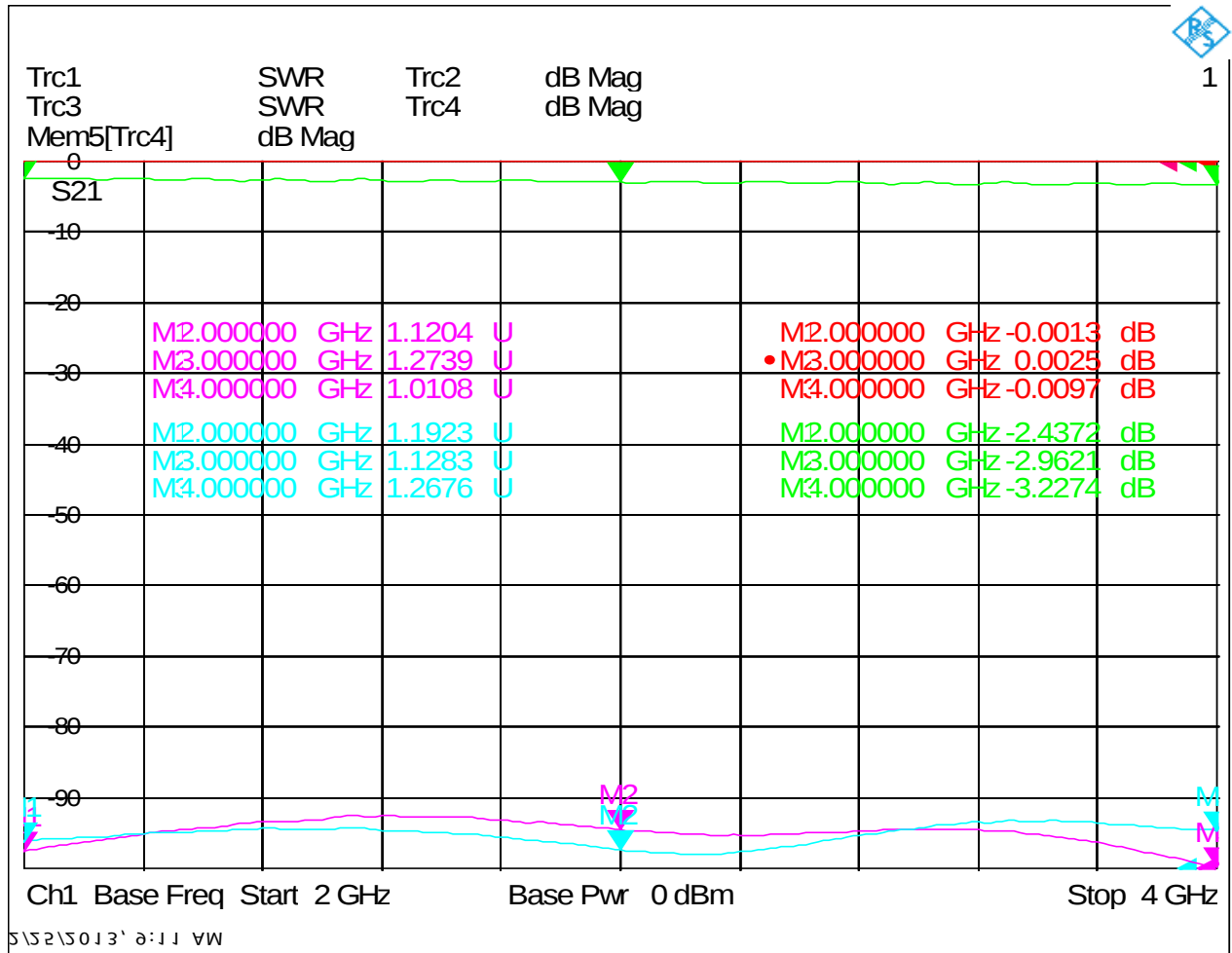




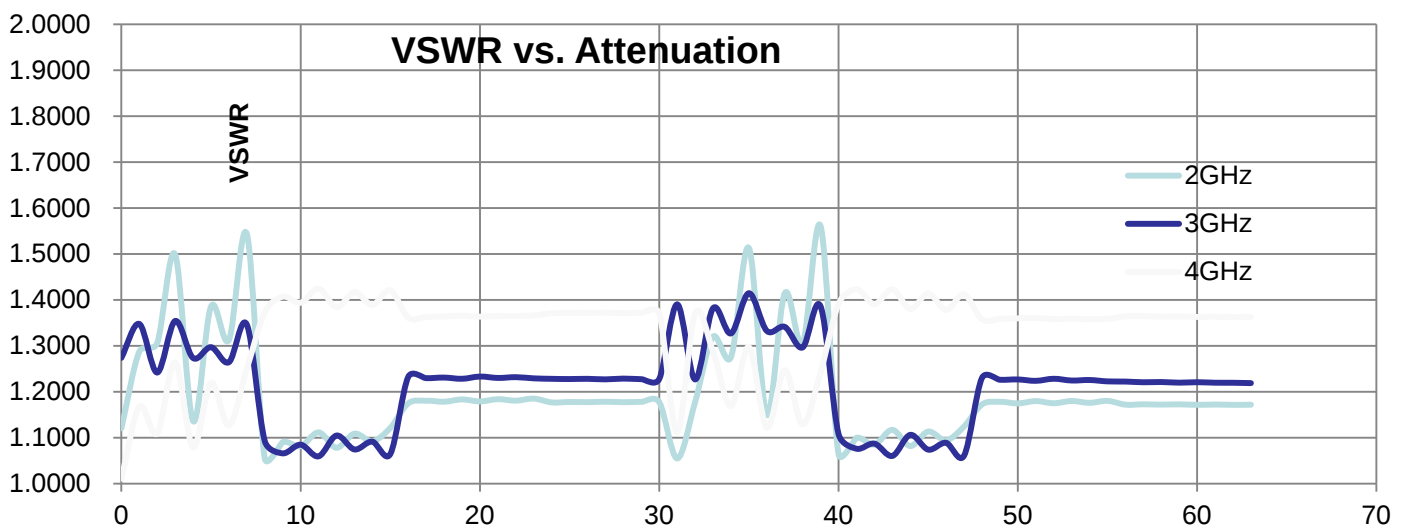
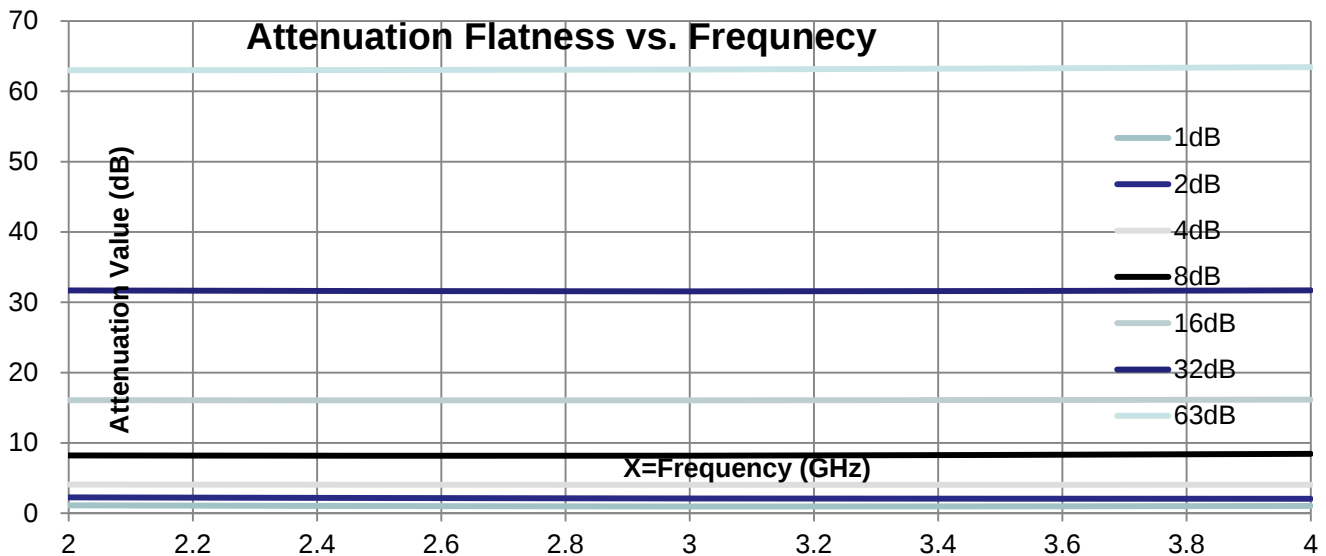
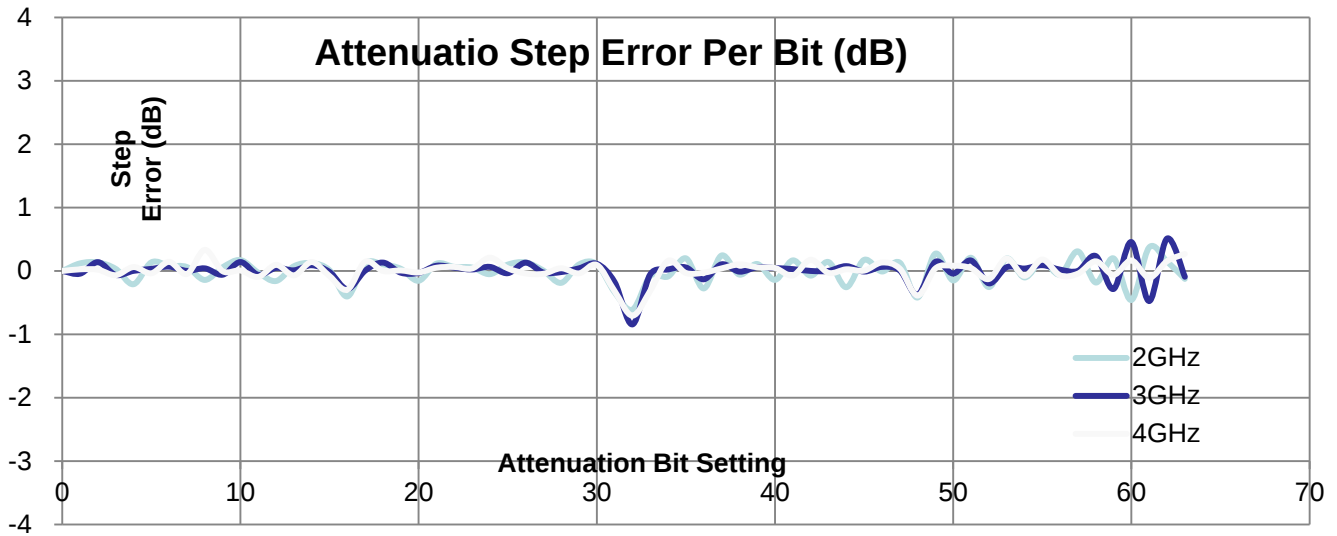
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The power beyond expectations

RFDAT0204G6A



Absorptive Pin Diode Attenuator 6 Bits 64dB 2-4GHz





3.0	Electrical Specifications	
3.1	Frequency Range	2-4GHz
3.2	Attenuation Range	64dB min
3.3	Power	+28dBm operational power 1W CW no damage
3.4	Insertion Loss	3.0dB typ, 6.0dB max.
3.5	Max. VSWR	1.6:1
3.6	Step	1.0dB
3.7	Accuracy	+/-1.0dB
3.8	Flatness	+/-0.5dB
3.9	Switching speed	50ns typ, 100ns max.
3.A	TTL Control	TTL High Enable
3.B	DC Control	+5V/-5V (100mA)
3.C	PIN	C1(1dB) C2(2dB) C3(4dB) C4(8dB) C5(16dB) C6(32dB) -5V +5V , GND

C6	C5	C4	C3	C2	C1	Attenuation (dB)
1	1	1	1	1	1	Insertion Loss
1	1	1	1	1	0	1
1	1	1	1	0	1	2
1	1	1	0	1	1	4
1	1	0	1	1	1	8
1	0	1	1	1	1	16
0	1	1	1	1	1	32

2.0	Environment specifications	
2.1	Operation Temp.	-40°C~+85°C
2.2	Storage Temp.	-50°C~+125°C
2.3	Altitude	30,000 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

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

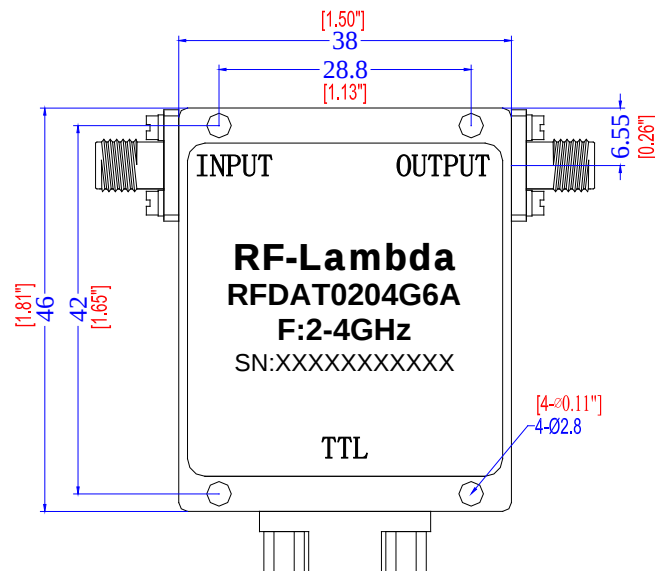
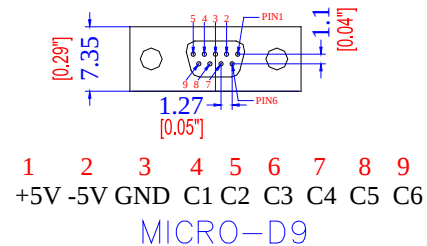
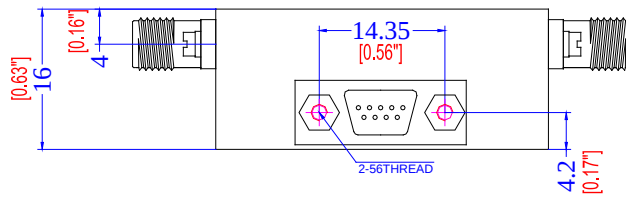
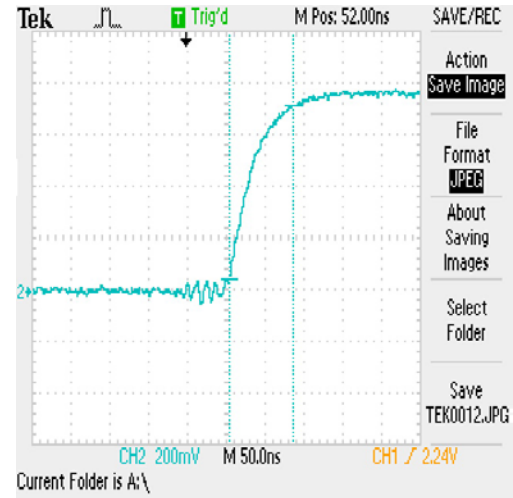
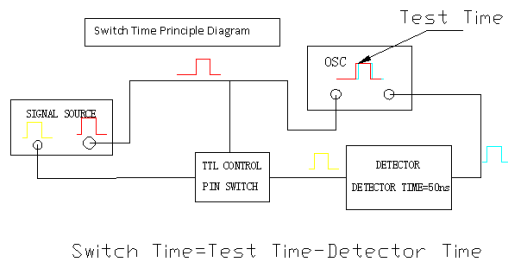
Ordering Information		
Part No	ECCN	Description
RFDAT0204G6A	EAR99	2-4GHz 8 bits 64dB digital attenuator



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RFDAT0204G6A



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