

QDA-50-4000-31-1

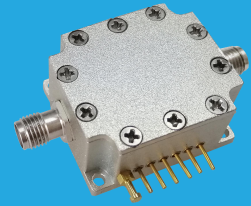
50MHz~4GHz

Features:

- * Broadband
- * High Dynamic Range

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar



Electrical

Frequency:	0.05~4GHz
Insertion Loss:	1.5dB typ., 3dB max.
Attenuation Flatness:	±1.5dB max.
Digital Control:	5 Bits TTL
Step:	1dB
Attenuation Range:	0~31dB
Attenuation Accuracy:	±0.5dB typ.
Switching Time:	1µs typ.
Input VSWR:	1.2 typ.
Output VSWR:	1.8 typ.
Voltage:	+5V DC
Current:	1mA typ.
Input Power:	24dBm max.

Absolute Maximum Ratings*1

RF Input Power:	30dBm
Voltage:	-0.3V min., +5.5V max.

[1] Permanent damage may occur if any of these limits are exceeded.

Mechanical

Size*2:	30*26*15mm 1.181*1.024*0.591in
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post
Housing Material:	Aluminum
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

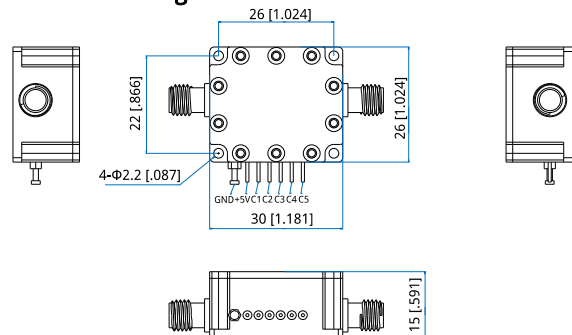
Environmental

Operating Temperature:	-40~+60°C
Non-operating Temperature:	-55~+70°C

Pin Numbering

Pin	Function	Pin	Function
1	GND	C3	4dB
2	+5V	C4	8dB
C1	1dB	C5	16dB
C2	2dB		

Outline Drawings



Unit: mm [in]

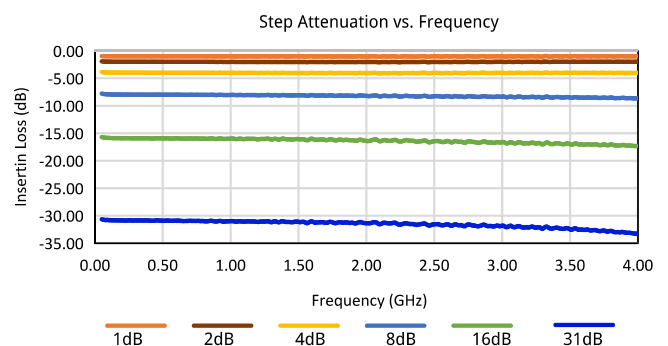
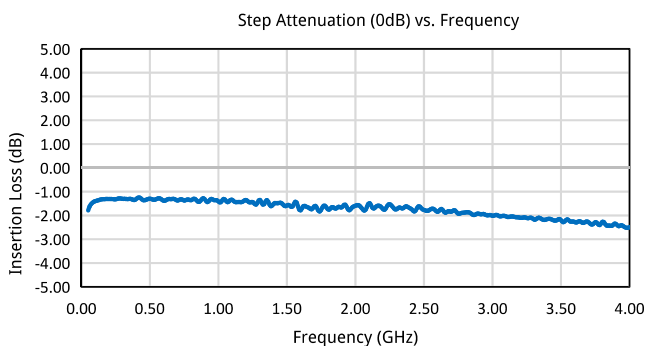
Tolerance: ±0.2mm [±0.008in]

How To Order

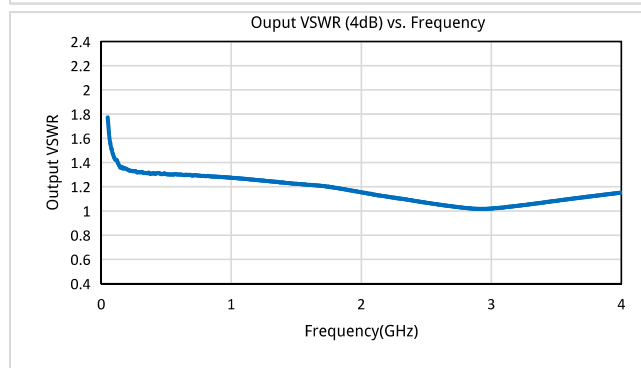
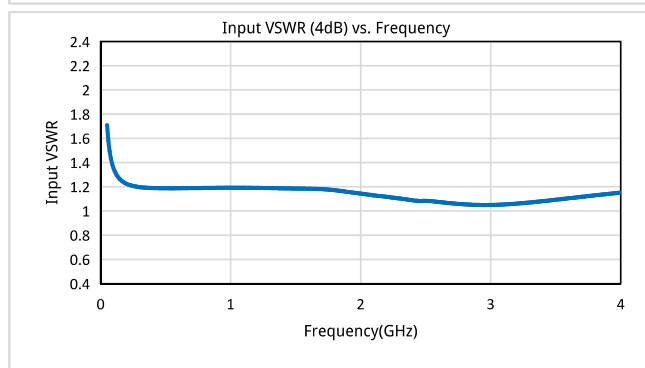
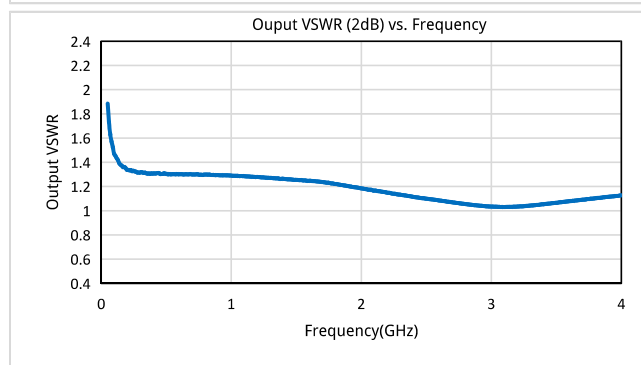
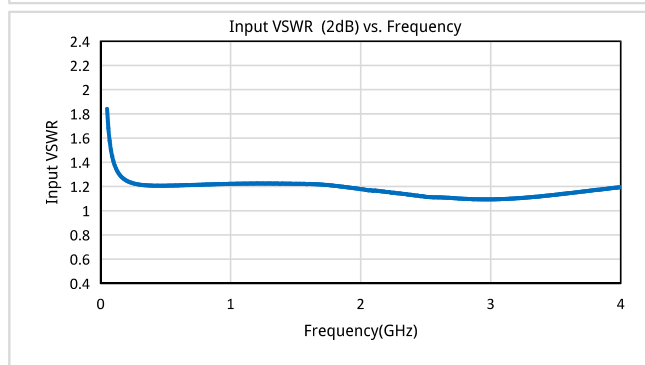
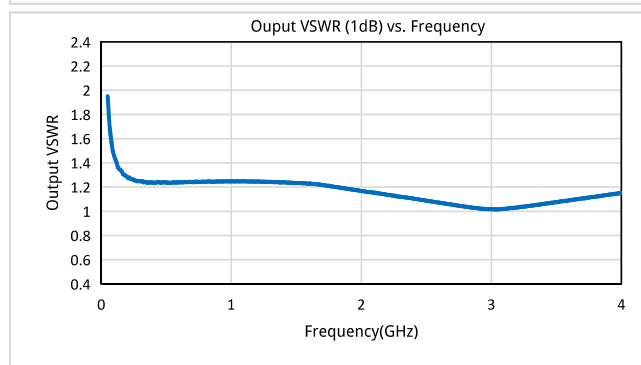
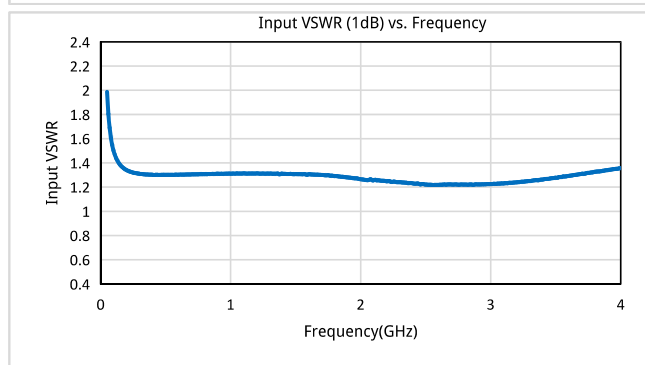
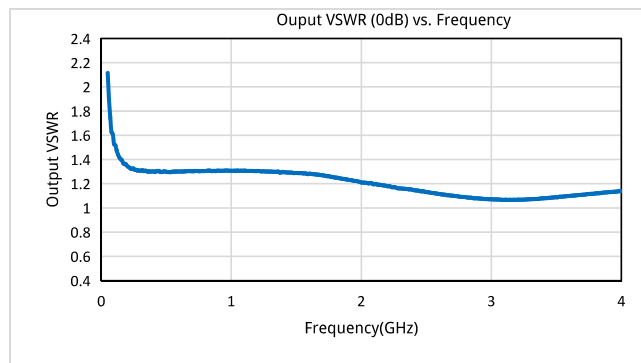
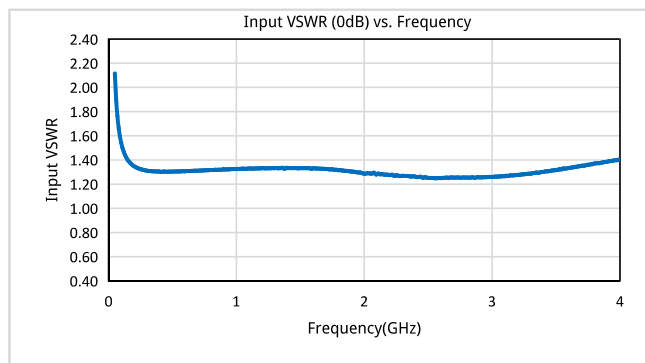
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Customization is available upon request.

Typical Performance Curves



Digitally Controlled Attenuators



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