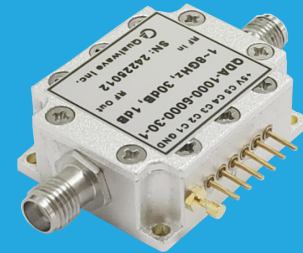


QDA-100-6000-30-1

0.1~6GHz, 30dB, 1dB

Features:
 * Broadband
 * High Dynamic Range

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.1~6GHz
Insertion Loss:	5.5dB max.
Step:	1dB
Attenuation Range:	0~30dB
Attenuation Accuracy:	±1.5dB typ.
VSWR:	2 typ.
Voltage/Current:	+5V @10mA typ.

Absolute Maximum Ratings^{*1}

Voltage:	+5.4V max.
Input Power:	+30dBm max.

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

Mechanical

Size ^{*2} :	32*26*12mm 1.26*1.024*0.472in
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post
Logic Input:	On: 1(+2~+5V) Off: 0(0~+0.8V)

[2] Exclude connectors.

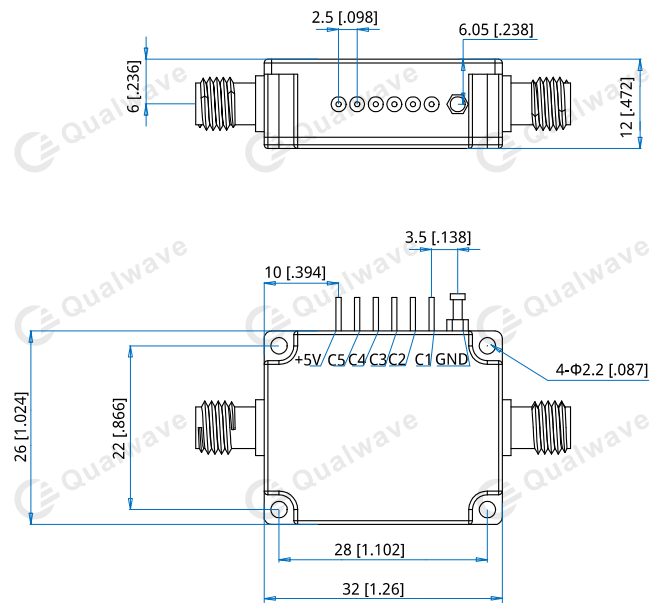
Pin Numbering

Pin	Function	Pin	Function
1	GND	5	C4:-8dB
2	C1:-1dB	6	C5:-15dB
3	C2:-2dB	7	+5V
4	C3:-4dB		

Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+125°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

Logic Table

State	C1	C2	C3	C4	C5	Attenuation State
-	1	1	1	1	1	Reference IL
1	1	1	1	0	1	1dB
2	1	1	0	1	1	2dB
3	1	0	1	1	1	4dB
4	0	1	1	1	1	8dB
5	1	1	1	1	0	15dB
6	0	0	0	0	1	15dB
7	0	0	0	0	0	30dB

How To Order

QDA-100-6000-30-1

Customization is available upon request.

Typical Performance Curves

