Qualwave

Digital Controlled Attenuator

QDA-0.1-5000-110-1

0.1MHz~5GHz, 110dB, 1dB

Features:
* Broadband
* High Dynamic Range

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	100KHz~5GHz
Insertion Loss:	8dB max.
Attenuation Flatness:	±2.5dB max.
Control Bits:	7
Step:	1dB
Attenuation Range:	0~110dB
Attenuation Accuracy:	±3dB max.
Switching Time:	500nS max.
Input VSWR:	2.5 max.
Output VSWR:	2.5 max.
Voltage:	±5V DC
Current:	0.1A typ.
Input Power Without Damage:	30dBm max.

Mechanical

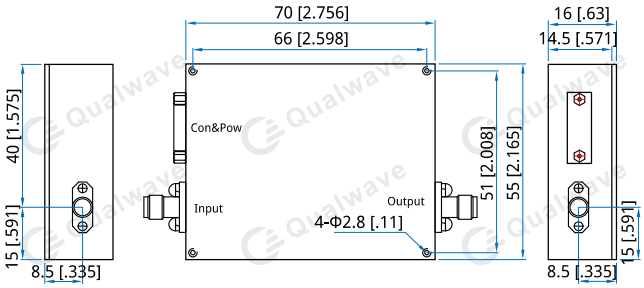
Size[*1]:	70*55*16mm 2.756*2.165*0.630in
Weight:	300g typ.
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	J30J-15ZKP
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Pin Numbering

Pin	Function	Pin	Function
1	+5V	7	8dB
2	-5V	8	16dB
3	GND	9	30dB
4	1dB (LSB)	10	50dB (MSB)
5	2dB	11~13	NC
6	4dB	14~15	GND

How To Order

QDA-0.1-5000-110-1

Customization is available upon request.