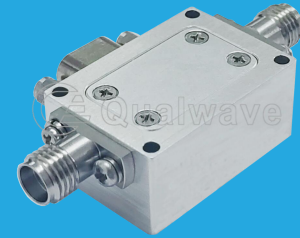


## QDA-1000-26500-31.5-0.5

1~26.5GHz, 31.5dB, 0.5dB

Features:  
 \* Broadband  
 \* High Dynamic Range

Applications:  
 \* Wireless  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar



### Electrical

Frequency: 1~26.5GHz  
 Insertion Loss: 6dB typ.  
 Step: 0.5dB  
 Attenuation Range: 0~31.5dB  
 Attenuation Accuracy: ±0.7dB typ. @0.5~16dB  
 ±2.5dB typ. @16~31.5dB  
 VSWR: 2 typ.  
 Voltage/Current: -5V @15mA typ.

### Absolute Maximum Ratings\*1

Voltage: -6V max.  
 Input Power: +27dBm max.

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

### Mechanical

Size\*2: 26\*18\*12mm  
 1.024\*0.709\*0.472in  
 RF Connectors: SMA Female  
 Switching Time: 50ns max.  
 Power Supply & Control: J30J-9ZKP  
 Interface Connectors:  
 Mounting: 4-Φ1.8mm through-hole  
 Logic Input: On: 1( +3~+5V)  
 Off: 0( 0~+0.5V)

[2] Exclude connectors.

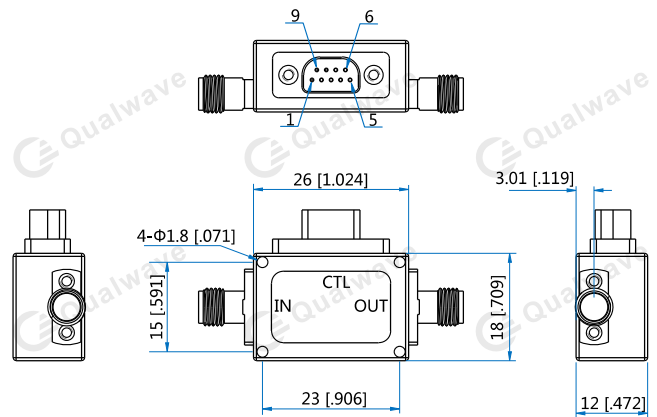
### Pin Numbering

Pin	Function	Pin	Function
1	C1:-0.5dB	6	C6:-16dB
2	C2:-1dB	7	VEE
3	C3:-2dB	8	NC
4	C4:-4dB	9	GND
5	C5:-8dB		

### Environmental

Operating Temperature: -45~+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	C6	VEE	Attenuation State
-	0	0	0	0	0	0	-5V	Reference IL
1	1	0	0	0	0	0	-5V	0.5dB
2	0	1	0	0	0	0	-5V	1dB
3	0	0	1	0	0	0	-5V	2dB
4	0	0	0	1	0	0	-5V	4dB
5	0	0	0	0	1	0	-5V	8dB
6	0	0	0	0	0	1	-5V	16dB
7	1	1	1	1	1	1	-5V	31.5dB

### How To Order

[QDA-1000-26500-31.5-0.5](#)

Customization is available upon request.

## Typical Performance Curves

