

## QLA-1000-6000-30-20

### 1~6GHz, 30dB, 2dB

Features:  
 \* Broadband  
 \* Low Noise

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



### Electrical

Frequency:	1~6GHz
Gain:	30dB min.
Gain Flatness:	±1dB typ.
Output Power (P1dB):	18dBm typ.
Noise Figure:	2.0dB typ.
Spurious:	-60dBc max.
VSWR:	1.5 typ.
Voltage:	+5V DC (Outline A) +6~15V DC (Outline B)
Current:	200mA typ.
Impedance:	50Ω

### Environmental

Operating Temperature:	-20~+60°C
Non-operating Temperature:	-40~+85°C

### Absolute Maximum Ratings\*1

RF Input Power:	+5dBm
Voltage:	+7V (Outline A) +20V (Outline B)

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

### Mechanical

RF Connectors: SMA Female

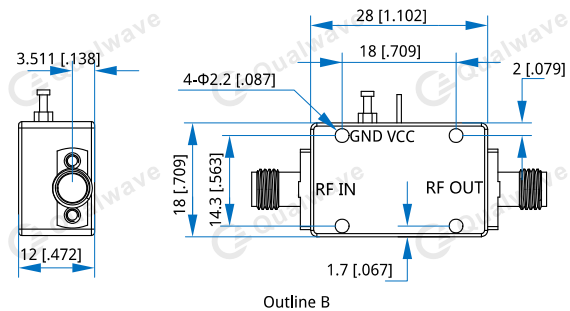
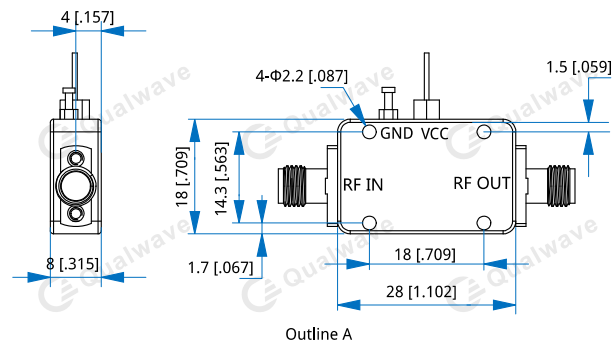
### How To Order

QLA-1000-6000-30-20 - Outline A

QLA-1000-6000-30-20-1 - Outline B

Customization is available upon request.

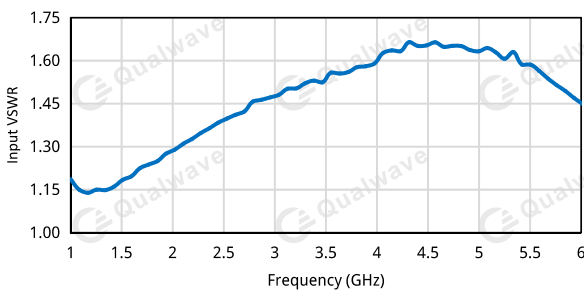
### Outline Drawings



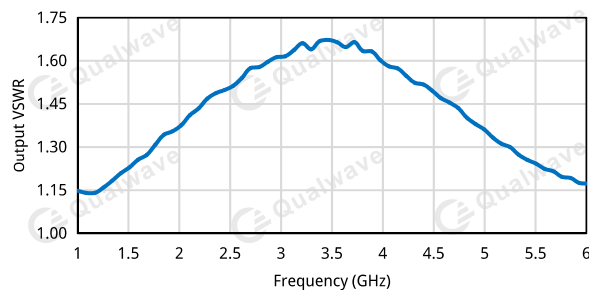
Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]

### Typical Performance Curves

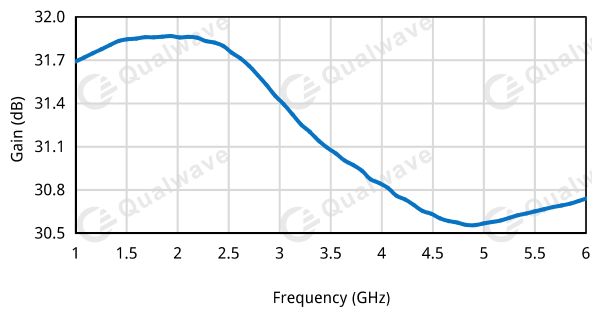
Input VSWR vs. Frequency



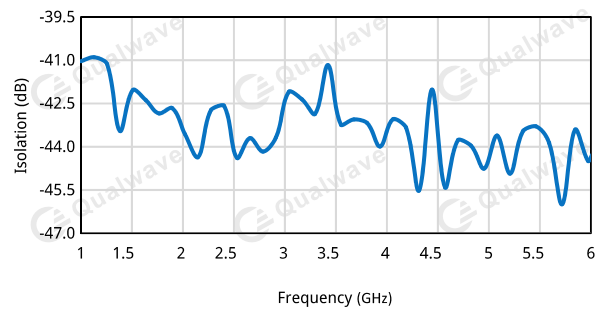
Output VSWR vs. Frequency



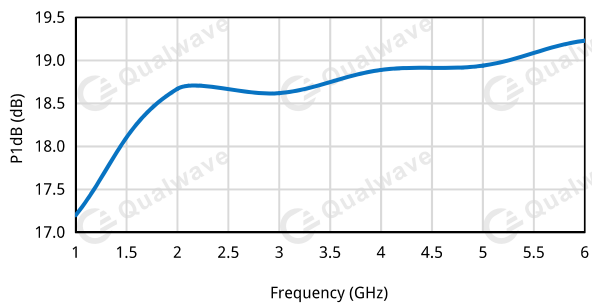
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

