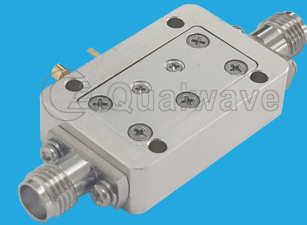


QLA-1000-18000-30-25-L

1~18GHz, 30dB, 2.5dB, With limiter

Features:
 * Broad Band
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	1~18GHz
Gain:	30dB typ.
Gain Flatness:	±1.5dB typ.
Output Power (P1dB):	19dBm typ.
Noise Figure:	2.5dB typ.
Spurious:	-60dBc max.
VSWR:	2 typ.
Voltage:	+5V DC
Current:	100mA typ.
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	+37dBm
Voltage:	+6V

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

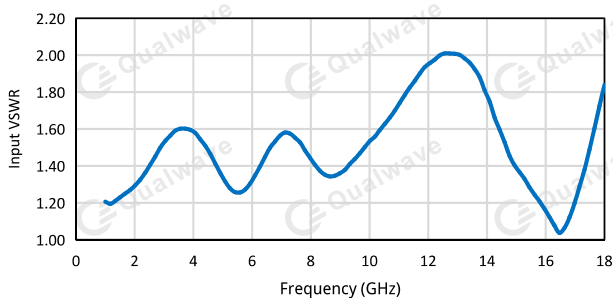
Mechanical

Size*2:	28*18*8mm 1.102*0.709*0.315in
RF Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

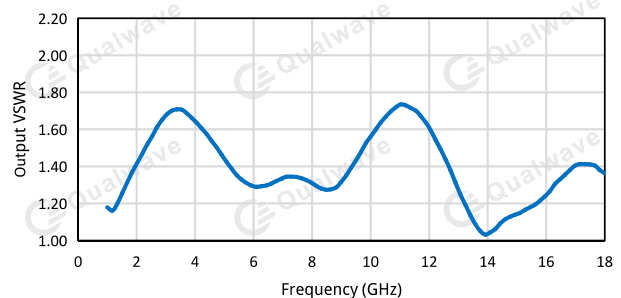
[2] Exclude connectors.

Typical Performance Curves

Input VSWR vs. Frequency



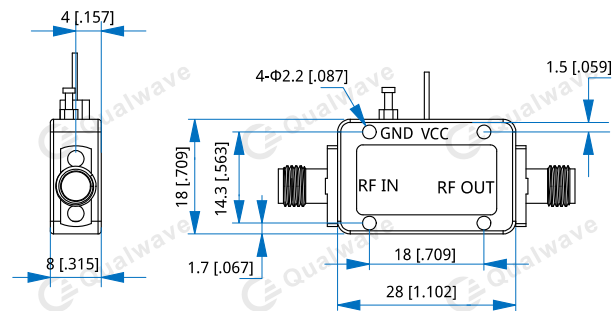
Output VSWR vs. Frequency



Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Unit: mm [in]

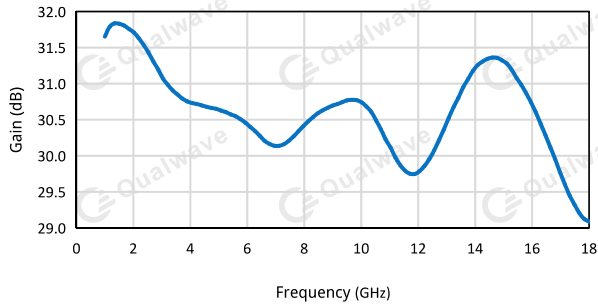
Tolerance: ±0.2mm [±0.008in]

How To Order

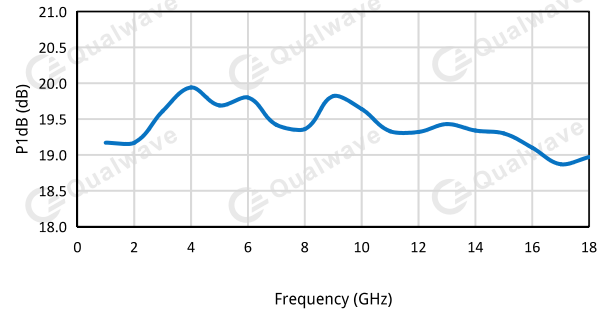
[QLA-1000-18000-30-25-L](#)

Customization is available upon request.

Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

