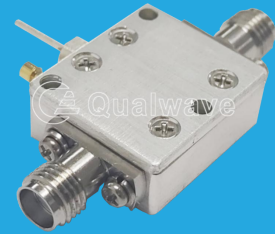


QLA-100-18000-15-25

0.1~18GHz, 15dB, 2.5dB

Features:
 * Broadband
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.1~18GHz
Small Signal Gain:	15dB typ.
Gain Flatness:	±1dB typ.
Output Power (P1dB):	18dBm typ.
Noise Figure:	2.5dB typ.
Spurious:	-60dBc max.
Input VSWR:	1.6 typ.
Output VSWR:	1.4 typ.
Voltage:	+5V DC
Current:	100mA typ.
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	+20dBm
Voltage:	+7V

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

Mechanical

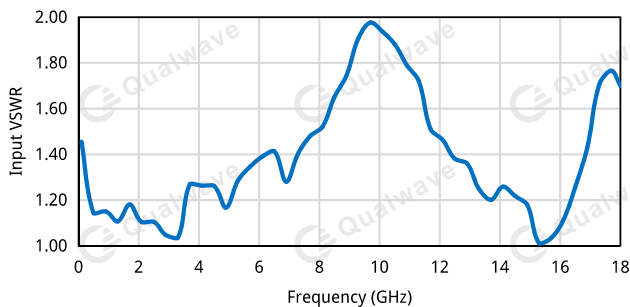
RF Connectors: SMA Female

Environmental

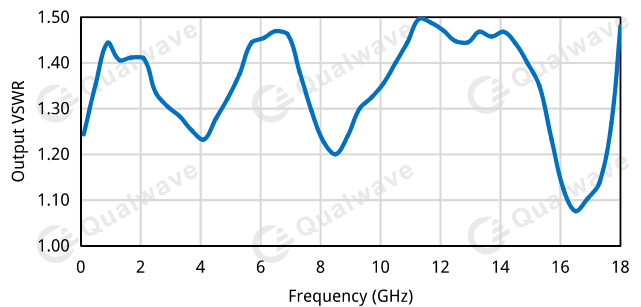
Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

Typical Performance Curves

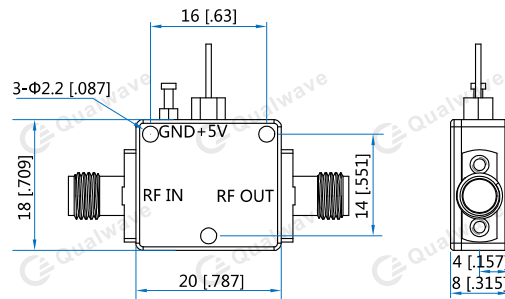
Input VSWR vs. Frequency



Output VSWR vs. Frequency



Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

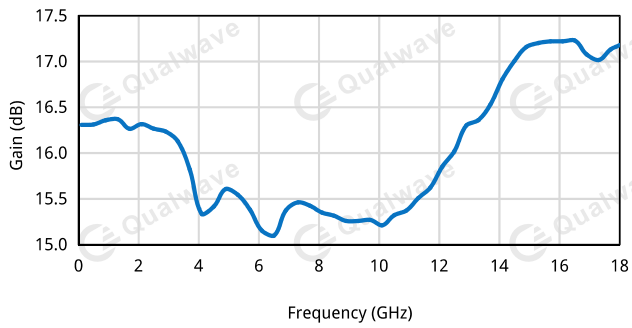
How To Order

QLA-100-18000-15-25

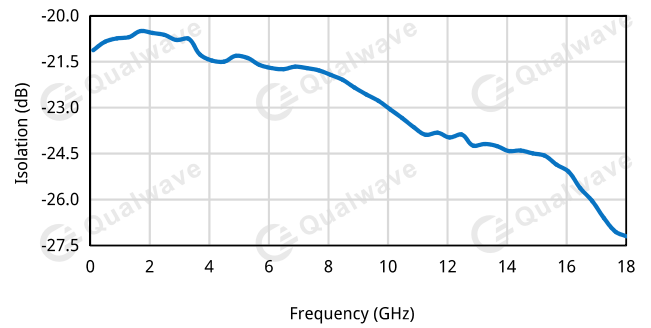
Customization is available upon request.

Low Noise Amplifier

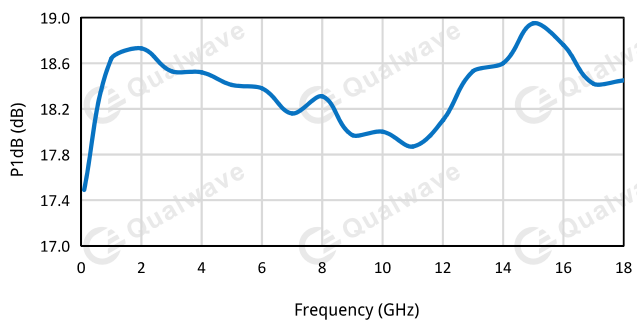
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

