

QLA-20-6000-40-15-L

0.02~6GHz, 40dB, 1.5dB, With limiter

Features:
 * Broad Band
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.02~6GHz
Gain:	40dB min.
Gain Flatness:	±2dB typ.
Output Power (P1dB):	19dBm typ.
Noise Figure:	1.5dB typ.
Spurious:	-60dBc max.
VSWR:	2 typ.
Input DC Blocking Voltage:	100V max.
Voltage:	+5V DC (Outline A) +6~12V DC (Outline B) +8~15V DC (Outline C)
Current:	100mA typ.
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	+37dBm
Voltage:	+5.5V (Outline A) +20V (Outline B) +17V (Outline C)

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

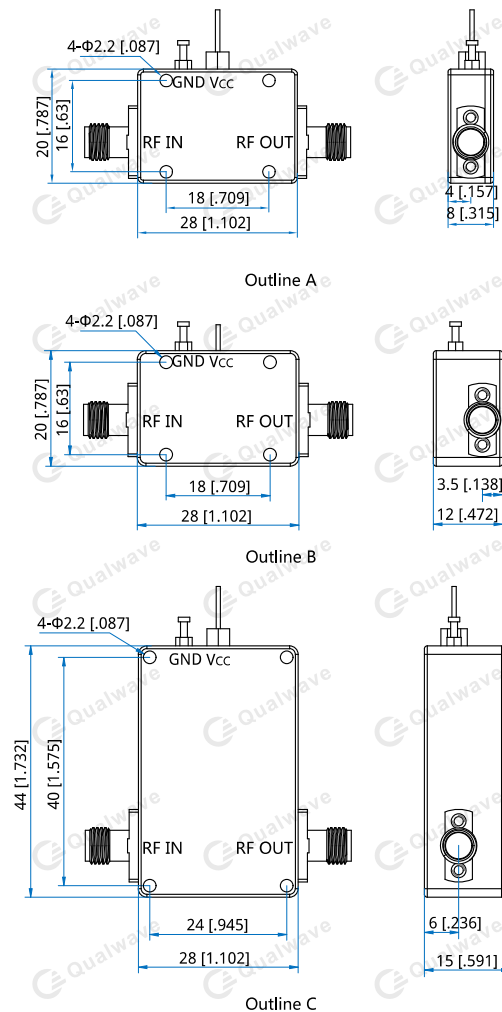
Mechanical

RF Connectors:	SMA Female (Removable)
Mounting:	4-Φ2.2mm through-hole

Environmental

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

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

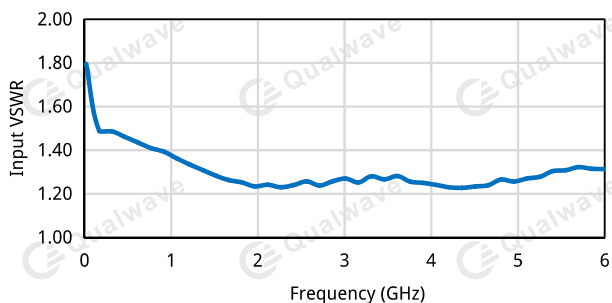
How To Order

- QLA-20-6000-40-15-L - Outline A
- QLA-20-6000-40-15-L-1 - Outline B
- QLA-20-6000-40-15-L-2 - Outline C

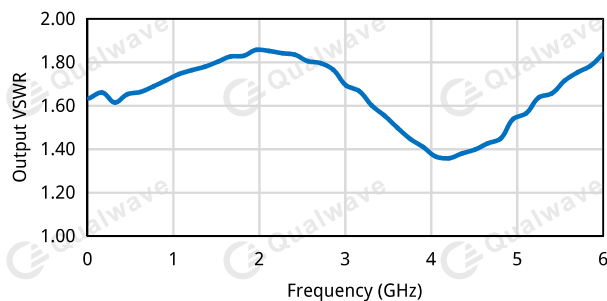
Customization is available upon request.

Typical Performance Curves

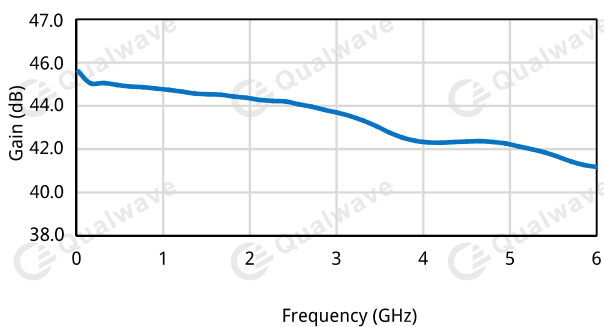
Input VSWR vs. Frequency



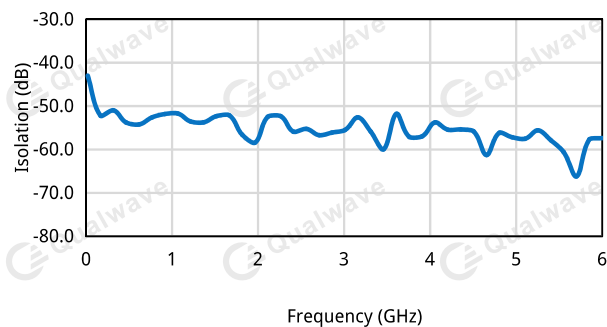
Output VSWR vs. Frequency



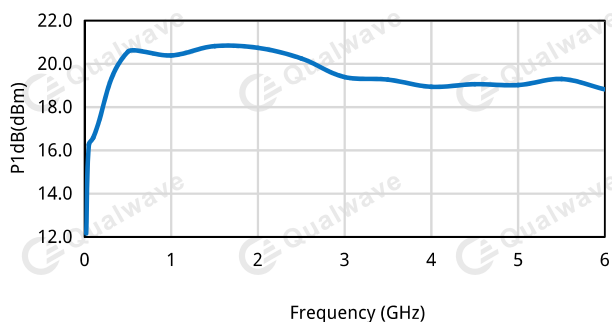
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

