

QLA-50-4000-40-15

0.05~4GHz, 40dB, 1.5dB

Features:
 * Broad Band
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.05~4GHz
Small Signal Gain:	40dB typ.
Gain Flatness:	±3dB max.
Output Power (P1dB):	20dBm typ.
IP3:	32dBm typ.@0.05~3GHz 28dBm typ.@3~4GHz
Noise Figure:	1.5dB typ.
VSWR:	1.5 typ.
Voltage:	+5V DC
Current:	200mA typ.
Impedance:	50Ω

Absolute Maximum Ratings

RF Input Power:	-5dBm
Voltage:	+10V
Current:	240mA

Mechanical

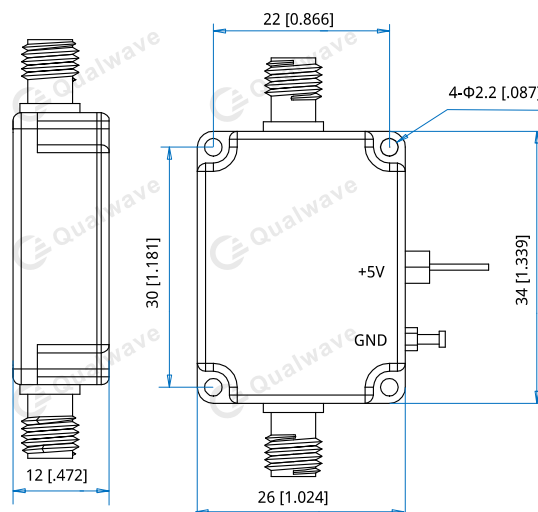
Size*1:	26*34*12mm 1.024*1.339*0.472in
RF Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+100°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

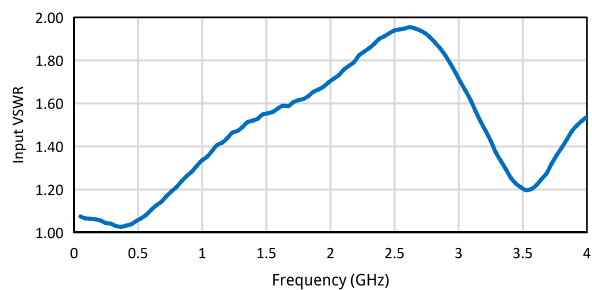
How To Order

QLA-50-4000-40-15

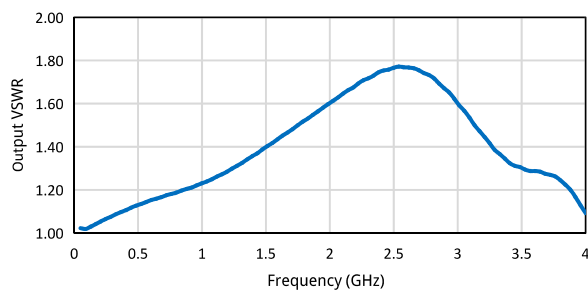
Customization is available upon request.

Typical Performance Curves

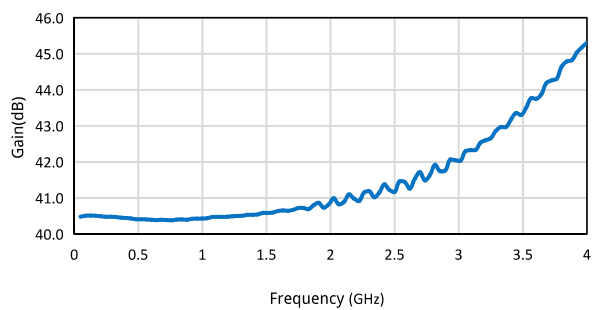
Input VSWR vs. Frequency



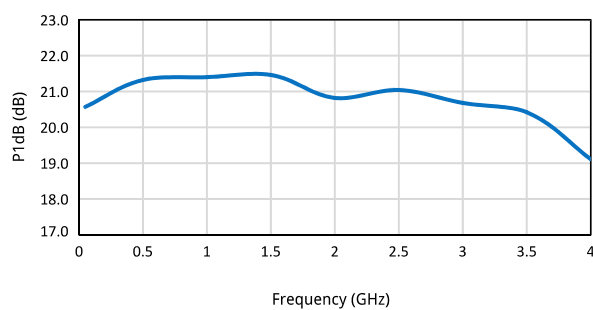
Output VSWR vs. Frequency



Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

