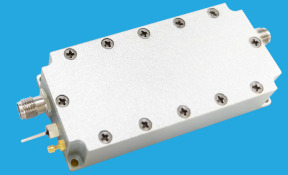


QLA-30-1000-55-13

0.03~1GHz, 55dB, 1.3dB

Features:
 * Broad Band
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.03~1GHz
Gain:	55dB min.
Gain Flatness:	±3dB typ.
Output Power (P1dB):	+25dBm typ.
Noise Figure:	1.3dB typ.
VSWR:	1.8 typ.
Voltage:	+5V DC
Current:	400mA typ.
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	-33dBm
Voltage:	+6V

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

Mechanical

Size*2:	68*32*15mm 2.677*1.102*0.591in
RF Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

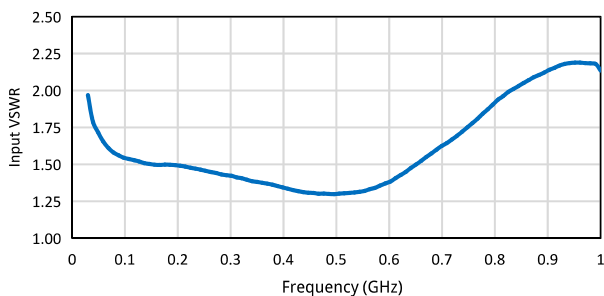
[2] Exclude connectors.

Environmental

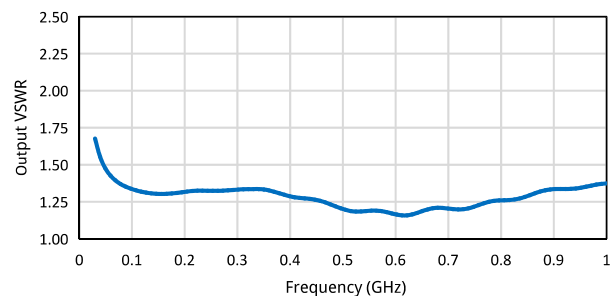
Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+100°C

Typical Performance Curves

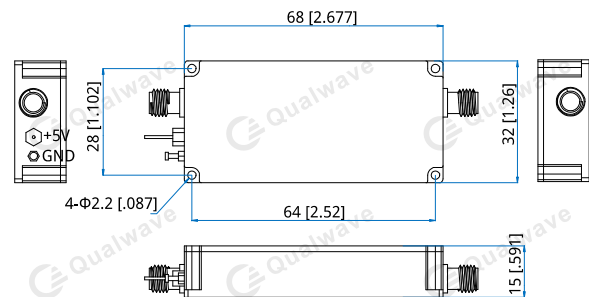
Input VSWR vs. Frequency



Output VSWR vs. Frequency



Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

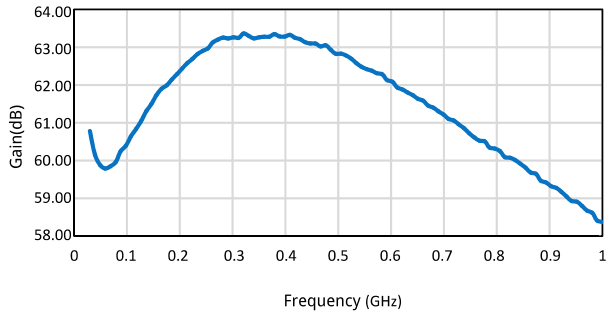
How To Order

QLA-30-1000-55-13

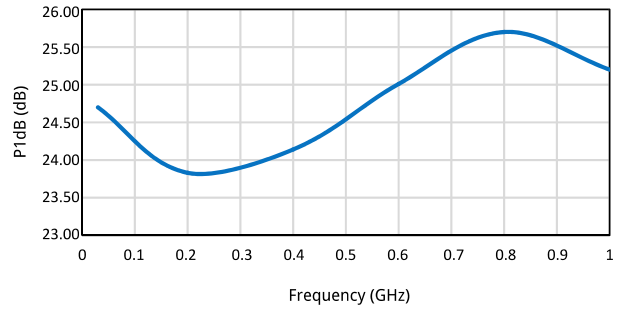
Customization is available upon request.

Low Noise Amplifier

Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

