

QLA-0.5-1000-23-12

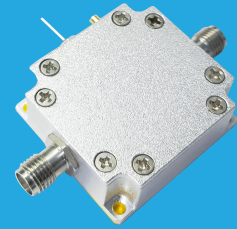
0.5~1000MHz, 23dB, 1.2dB

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test



Electrical

Frequency:	0.5~1000MHz
Gain:	23dB typ.
Noise Figure:	1.2dB typ.
Output Power (P1dB):	23dBm typ.
Input VSWR:	1.6 typ.
Output VSWR:	1.8 typ.
Voltage/Current:	+5V/300mA
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	+6dBm
Voltage:	+7V
Limiting Temperature:	-45~+80°C

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

Mechanical

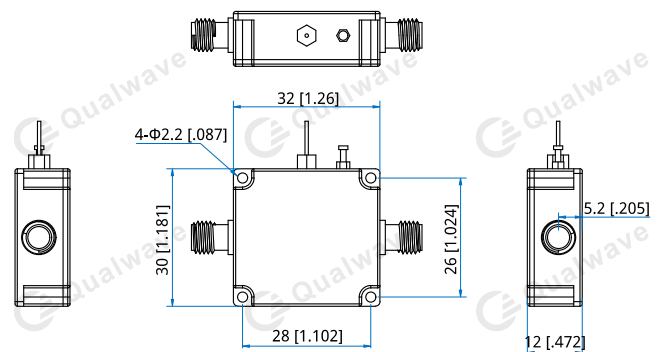
Size*2:	32*30*12mm 1.26*1.181*0.472in
RF Connectors:	SMA female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

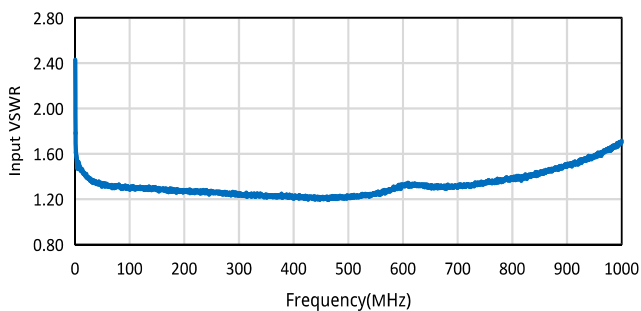
How To Order

QLA-0.5-1000-23-12

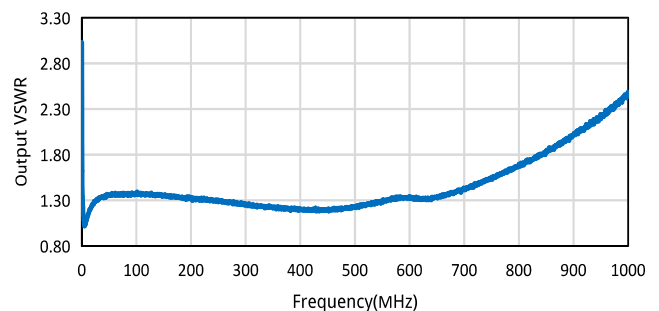
Customization is available upon request.

Typical Performance Curves

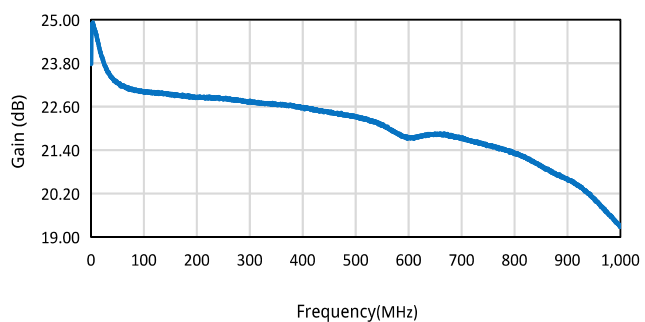
Input VSWR vs. Frequency



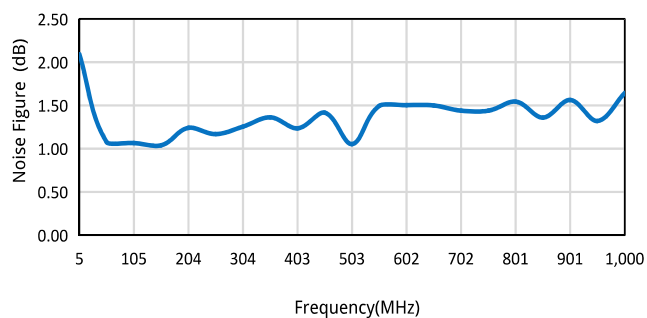
Output VSWR vs. Frequency



Gain vs. Frequency



Low Noise Amplifier
Noise Figure vs. Frequency



P1dB vs. Frequency

