

QLA-100-6000-30-10

0.1~6GHz, 30dB, 1.0dB

- | | |
|---|--|
| Features:
* Small Size
* Low Power Consumption | Applications:
* Wireless
* Transmitter
* Laboratory Test |
|---|--|



Electrical

Frequency:	0.1~6GHz
Gain:	30dB typ.
Gain Flatness:	See Typical Performance Curves
Noise Figure:	1.0dB typ.
Output Power (P1dB):	22dBm typ.
Reverse Isolation:	-40dB typ.
VSWR:	2 typ.
Voltage:	+5V DC
Current:	150mA typ.
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	+22dBm
Voltage:	+7V

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

Mechanical

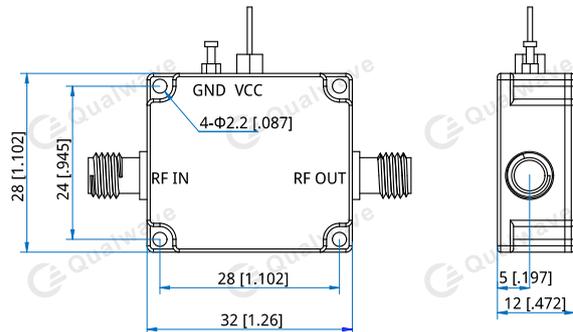
Size*2:	32*28*12mm 1.26*1.102*0.472in
RF Connectors:	SMA female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature:	-40~+85°C
Non-Operating Temperature:	-55~+125°C

Outline Drawings



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

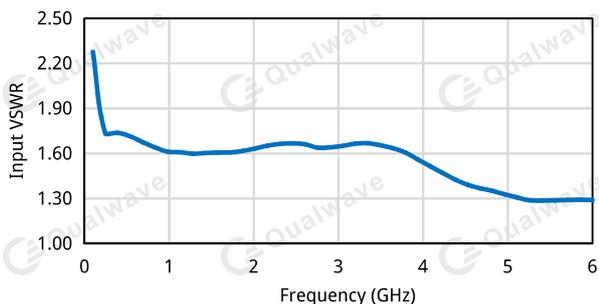
How To Order

QLA-100-6000-30-10

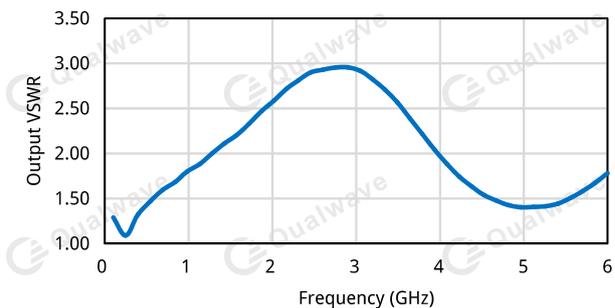
Customization is available upon request.

Typical Performance Curves

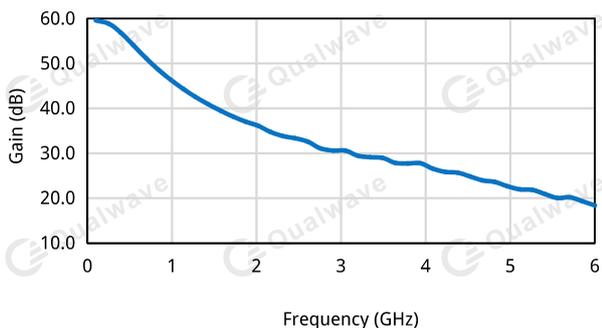
Input VSWR vs. Frequency



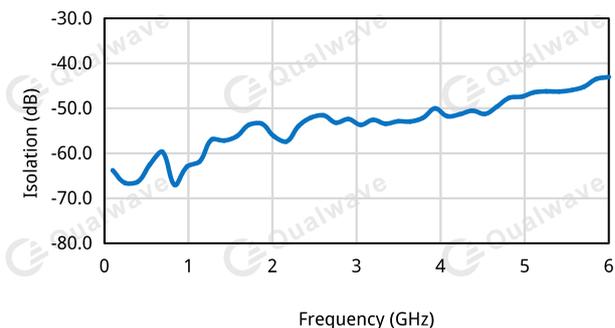
Output VSWR vs. Frequency



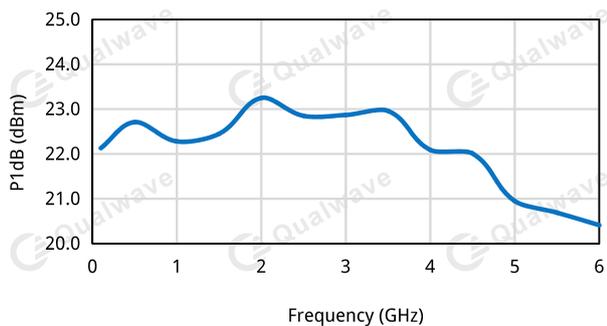
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

