

QLA-500-8000-30-22

0.5~8GHz, 30dB, 2.2dB

Features:
 * Broad Band
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.5~8GHz
Gain:	30dB typ.
Output Power (P1dB):	17dBm typ.
Noise Figure:	2.2dB typ.
Input VSWR:	2.5 typ.
Output VSWR:	1.5 typ.
Voltage/Current:	+5V/300mA
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	-5dBm
Voltage:	+7V

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

Mechanical

Size*2:	36*28*12mm 1.417*1.102*0.472in
Weight:	26.8g
RF Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

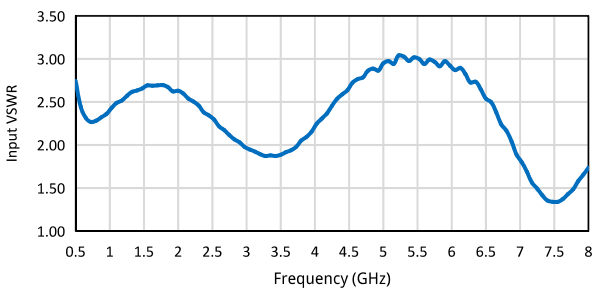
[2] Exclude connectors.

Environmental

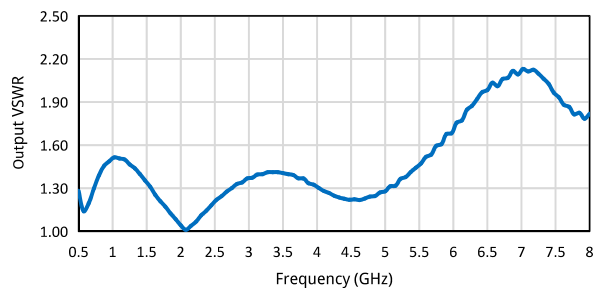
Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+150°C

Typical Performance Curves

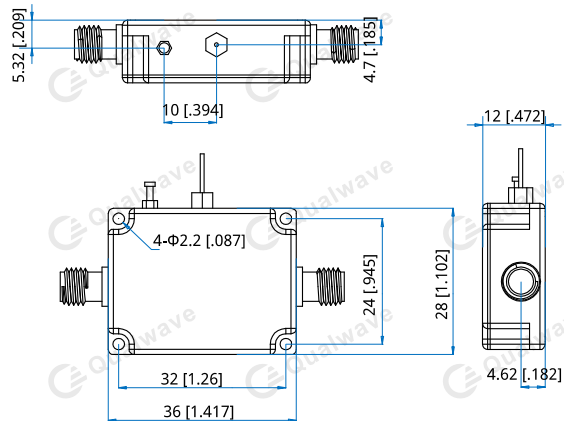
Input VSWR vs. Frequency



Output VSWR vs. Frequency



Outline Drawings



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

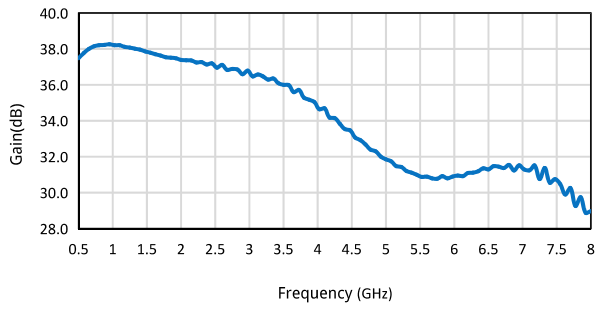
How To Order

QLA-500-8000-30-22

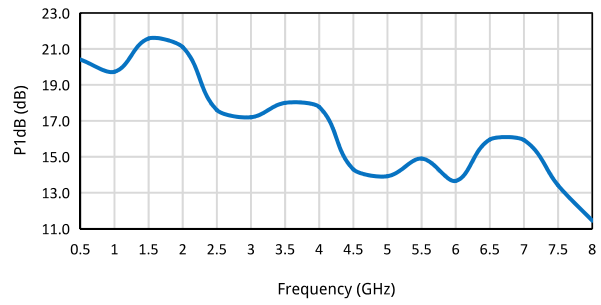
Customization is available upon request.

Low Noise Amplifier

Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

