

# QLA-0.1-40000-27-30

0.1MHz~40GHz, 27dB, 3.0dB

Features:  
 \* Broadband  
 \* Low Noise

Applications:  
 \* Wireless  
 \* Receiver  
 \* Laboratory Test  
 \* Radar



## Electrical

Frequency:	0.1MHz~40GHz
Gain:	27dB typ.
Gain Flatness:	±1.5dB typ.
Output Power (P1dB):	13dBm typ.
Noise Figure:	3.0dB typ.
Spurious:	-60dBc max.
VSWR:	1.8 typ.
Reverse Isolation:	-50dB typ.
Voltage:	+5V~+8V DC
Current:	100mA typ. @+5V 200mA typ. @+8V
Impedance:	50Ω

## Absolute Maximum Ratings\*1

RF Input Power:	+18dBm
Voltage:	+9V

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

## Mechanical

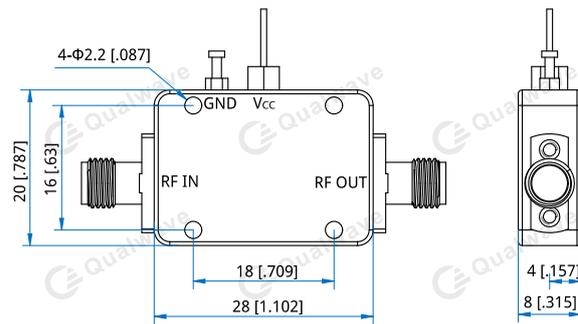
Size*2:	28*20*8mm 1.102*0.787*0.315
RF Connectors:	SMA Female (Removable)
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

## Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

## Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

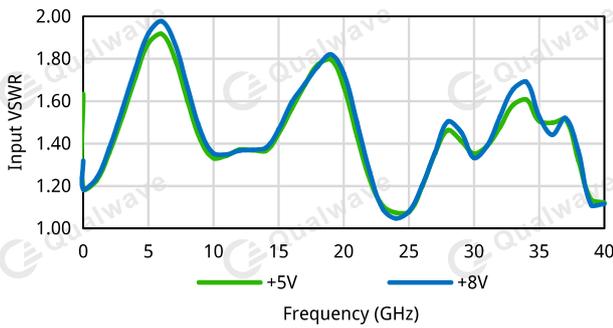
## How To Order

**QLA-0.1-40000-27-30**

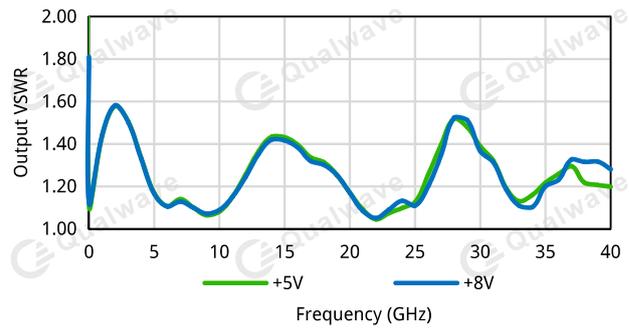
Customization is available upon request.

## Typical Performance Curves

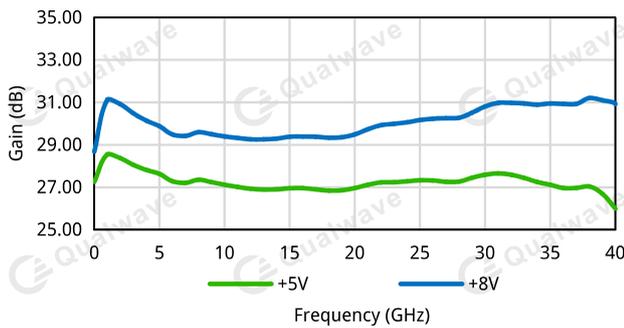
Input VSWR vs. Frequency



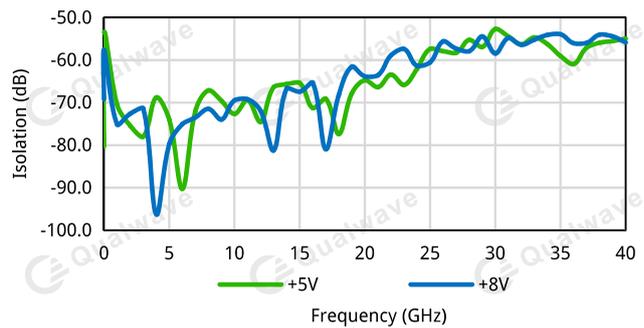
Output VSWR vs. Frequency



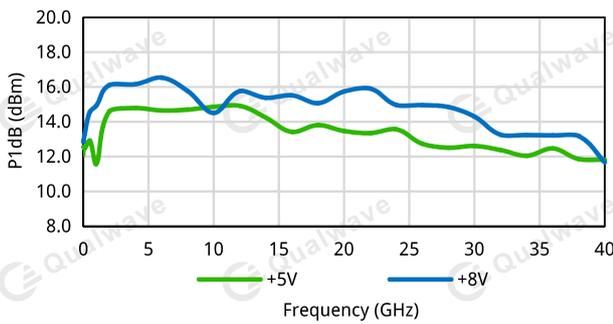
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

