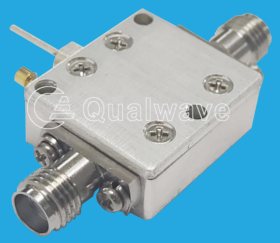
QDLVA-500-10000-60-14

0.5~10GHz, 60dB, 14mV/dB

Features:
* Small Size
* Low Power Consumption

Applications:
* Wireless
* Transmitter
* Laboratory Test



Electrical

Frequency:	0.5~10GHz
Dynamic Range:	-60~0dBm
TSS:	-61dBm
Log Slope:	14mV/dB typ.
Log Error:	±3dB typ.
Flatness:	±3dB typ.
Log Linearity:	±3dB typ.
VSWR:	2 typ.
Rise Time:	10ns typ.
Recovery Time:	15ns typ.
Video Output Range:	0.7~+1.5V DC
Power Supply Voltage:	+3.3V DC
Current:	60mA typ.
Video Load:	1KΩ min.

Absolute Maximum Ratings[*1]

Input Power:	+15dBm
Power Supply Voltage:	3.15V min.
	3.45V max.

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

Mechanical

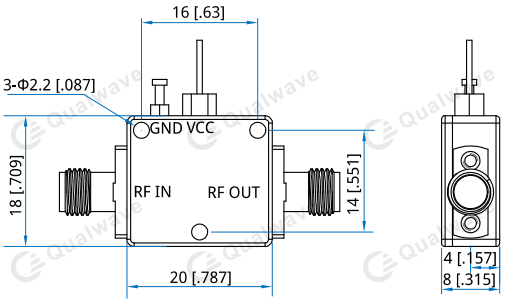
Size[*2]:	20*18*8mm
	0.787*0.709*0.315in
RF Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature:	-40~+85℃
Non-operating Temperature:	-65~+150℃

Outline Drawings



Unit: mm [in]
Tolerance: ±0.2mm [±0.08in]

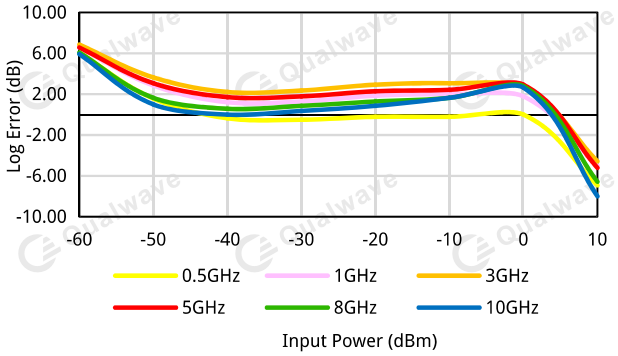
How To Order

QDLVA-500-10000-60-14

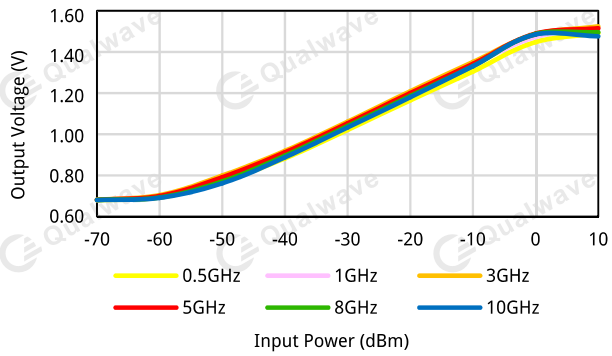
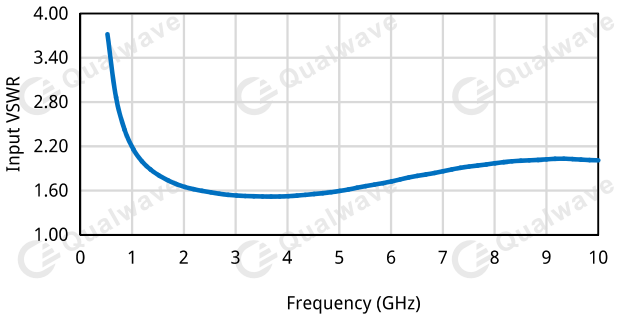
Customization is available upon request.

Typical Performance Curves

Log Error vs. Input Power



Output Voltage vs. Input Power@Frequency



Input VSWR vs. Frequency