

# QLA-500-8000-20-16

0.5~8GHz, 20dB, 1.6dB

Features:  
 \* Broad Band  
 \* Low Noise

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

## Electrical

Frequency:	0.5~8GHz
Small Signal Gain:	20dB typ.
Gain Flatness:	±1.0dB typ. @0.5~7GHz
Output Power (P1dB):	+18dBm typ.
IP3:	28dBm typ.
Noise Figure:	1.6dB typ.
VSWR:	2.3 max. @0.5~7GHz 3.5 max. @7~8GHz
Input Power(no damage):	15dBm
Voltage:	+6V DC typ.
Current:	80mA typ.@6V
Impedance:	50Ω

## Mechanical

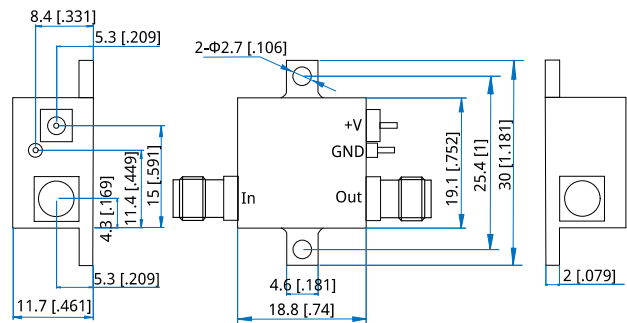
Size*1:	18.8*19.1*11.7mm 0.74*0.752*0.461in
RF Connectors:	SMA Female
Mounting:	2-Φ2.7mm through-hole

[1] Exclude connectors.

## Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+100°C

## Outline Drawings



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

## How To Order

**QLA-500-8000-20-16**

Customization is available upon request.