

# QPA-25-530-48.5-51.8S

25~530MHz, 48.5dB, 51.8dBm

**Features:**

- \* Small Size
- \* Low Power Consumption

**Applications:**

- \* Wireless
- \* Transmitter
- \* Laboratory Test

**Electrical**

Frequency:	25~530MHz
Power Gain:	48.5dB min.
Gain Flatness:	±1.5dB
Output Power (Psat):	51.8dBm min.
IP3:	56dBm min.
Spurious:	-70dBc typ.
Harmonics:	DC~10GHz@Pout=50dBm
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Voltage:	+28V DC typ. (9 A max. Pout @ +48 dBm)
Impedance:	50Ω
Input Power:	+10dBm max.

**Mechanical**

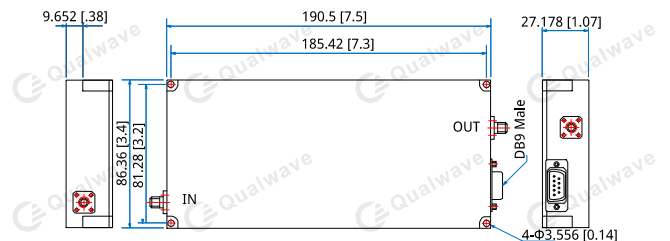
Size <sup>*1</sup> :	190.5*86.36*27.178mm 7.5*3.4*1.07in
RF Connectors:	SMA Female
Power Supply Connectors:	DB9 Male
Mounting:	4-Φ3.556mm through-hole
Cooling <sup>*2</sup> :	Forced Air

[1] Exclude connectors.

[2] To be installed on the large area heat sink.

**Environmental**

Operating Temperature: -10~+50°C

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**Pin Numbering**

Pin	Function	Input/Output	Explain
1, 2, 4	NC	-	-
3	Temperature Sensor	Output	Vt +500mV, 10mV/°C
5	EN	Input	TTL "Low or Open" : Enable TTL "High" : Disable
6, 7	VCC	Input	Supply Voltage: +28V
8, 9	GND	-	-

**How To Order**

**QPA-25-530-48.5-51.8S**

Customization is available upon request.