

QPA-500-1000-49-52S

0.5~1GHz, 49dB, 52dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.5~1GHz
Power Gain:	49dB min.
Gain Flatness:	±1dB
Output Power (Psat):	52dBm min.
IP3:	58dBm min.
Spurious:	-70dBc typ.
Harmonics:	DC~10GHz@Pout=50dBm
Input VSWR:	-15dBc min.@Pout=+48dBm
Output VSWR:	1.5 max.
Voltage:	1.5 max.
Impedance:	+28V DC typ.
Input Power:	(9 A max. Pout @ +48 dBm)
	50Ω
	+10dBm max.

Mechanical

Size ^{*1} :	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 ^{*2} :	Forced Air

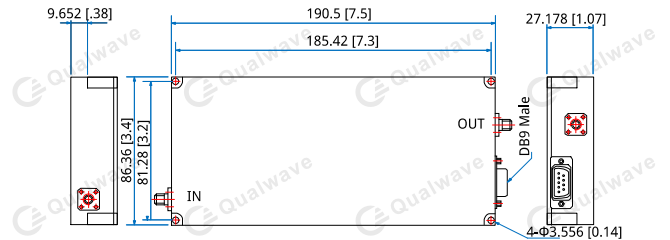
[1] Exclude connectors.

[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-500-1000-49-52S

Customization is available upon request.