

QPA-5600-5800-18-47

5.6~5.8GHz, 18dB, 47dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	5.6~5.8GHz
Gain:	18 min.
Output Power (P1dB):	47dBm min.
(Psat):	50dBm min.
Gain Flatness:	2±1dB
Input Power:	32dBm max.
Spurious:	-65dBc max.
Harmonic:	-30dBc max. @P1dB 47dBm -45dBc typ. @P1dB 47dBm
Input VSWR:	1.8
Output VSWR:	2.5 typ.
Noise Figure:	17dB typ.
Current:	7~9A max.
Voltage:	28~32V/12A +33V max.
Phase Noise:	-100dBc typ. @100KHz max. -130dBc typ. @10 MHz max.
Phase Balance:	±3° typ. @20~30°C
Protection Function:	Over Temperature protection*1 Excessive Reflected Power Protection*2
PTT:	3.3~5V (On)

[1] Protection function over temperature protection, automatically cut off microwave output.

[2] Protection against excessive reflected power, automatically cut off microwave output.

Mechanical

Size*3:	232.3*106*24.5mm 9.146*4.173*0.965in
RF Connector	SMA Female
Power Supply Connectors*4:	Feed Through/Terminal Post
Mounting:	8-Φ3.5mm through-hole
Configure:	Internal Isolator

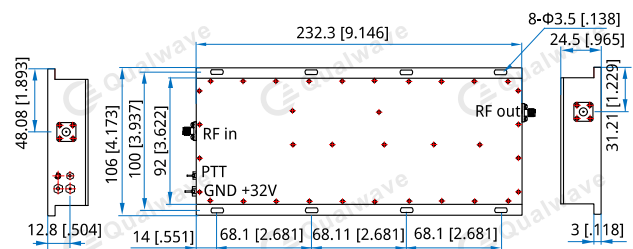
[3] Exclude connectors.

[4] The amplifier test requires the installation of a heat sink.

Environmental

Operating Temperature: -25~+55°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

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Customization is available upon request.