

QPS2-600-6000-R

SPDT, 0.6~6GHz, Reflective

Features:

- * Low Insertion Loss
- * High Isolation

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.6~6GHz
Insertion Loss:	1dB max. @0.6~3GHz 1.2dB max. @3~6GHz
Insertion Loss Temperature Coefficient:	0.003dB/°C typ.
Isolation:	60dB min.
VSWR:	1.5 max.
RF Input Power:	50dBm max. (100W)
DC Power Dissipation:	1.3W typ.
Output Power (P0.1dB):	50dBm typ.
IIP3:	53dBm typ. @0.6~3GHz 50dBm typ. @3~6GHz
Voltage:	+5/-28V
Bias Current:	150/70mA typ.
Switching Time:	400ns typ.
Control*1:	High - 1 @2.8~5V Low - 0 @0~0.8V
Impedance:	50Ω

[1] TTL pins cannot be connected to the negative voltage otherwise the internal driver will be damaged. Cold Switching: Before changing any TTL signal(s), the RF input power must be blanked or the switch could be damaged.

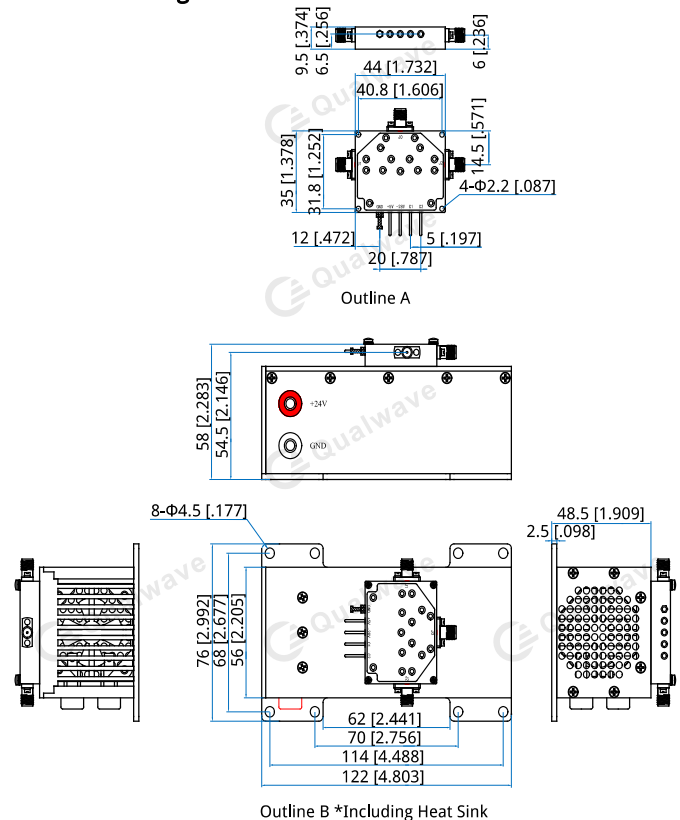
Mechanical

RF Connectors:	SMA female
Weight:	110g max. (Net) 559g max. (Including heat sink)
Power Supply Connectors:	Feed through/Terminal post
Material:	Copper
Finish:	Gold plated

Environmental

Operating Temperature:	-40~+85°C (Case temperature)
Non-operating Temperature:	-50~+105°C

Outline Drawings



* Heatsink Required - Mandatory for High Power Operation.

Unit: mm [in]

Tolerance: ±0.1mm [±0.004in]

Control True Table*2

C1	C2	Connection
0	0	All Off
0	1	J0 - J1 On
1	0	J0 - J2 On
1	1	Not Used

[2] Control Pin Customization available upon request.

How To Order

QPS2-600-6000-R - Outline A

QPS2-600-6000-R-F - Outline B

Customization is available upon request.