

QPS8-30-8000-A

SP8T, 0.03~8GHz, Absorptive

Features:
 * Low Insertion Loss
 * High Isolation

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency:	0.03~8GHz
Insertion Loss:	3.2dB max.
Isolation:	70dB min.
VSWR:	1.67 max.
Input Power ^{*1} :	+27dBm max. @COM port +23dBm max. @other port +20dBm @0.03~0.5GHz Peak 8W max. @1μs
Voltage/Current:	+5V@300mA max. -5V@50mA max.
Control:	TTL High - 1 TTL Low/NC - 0
Impedance:	50Ω

[1] when input +27dBm, the output of ON port can not be full reflected.

Mechanical

Size ^{*2} :	104*24*10.2mm 4.094*0.945*0.402in
Switching Time ^{*3} :	200ns max.
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.7mm through-hole

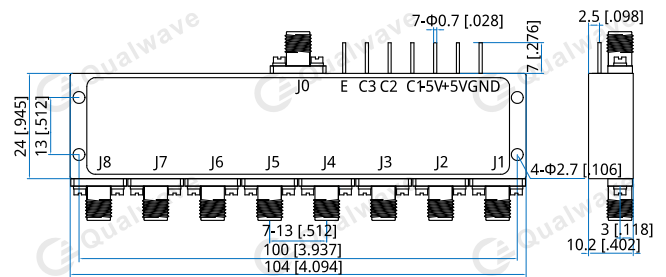
[2] Exclude connectors.

[3] Values at 25°C, sea level. Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+125°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Control True Table

E	C3	C2	C1	Connection
1	X	X	X	
0	0	0	0	J0 - J1 On
0	0	0	1	J0 - J2 On
0	0	1	0	J0 - J3 On
0	0	1	1	J0 - J4 On
0	1	0	0	J0 - J5 On
0	1	0	1	J0 - J6 On
0	1	1	0	J0 - J7 On
0	1	1	1	J0 - J8 On

X= DO NOT CARE

How To Order

[QPS8-30-8000-A](#)

Customization is available upon request.