

QMS2N

DC~18GHz, SPDT

Features:
 * High Power
 * Long Operation Life

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: DC~18GHz
 Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
QMS2N-12.4	DC-5	0.3	70	1.3
	5-12.4	0.5	60	1.5
QMS2N-18	DC-5	0.3	70	1.3
	5-18	0.7	50	1.7

Current (mA)	Voltage*1 (V)	12	24	28
		Failsafe	300	180
	Latching	320	180	150

[1] The voltage can be selected according to user requirements.

Mechanical

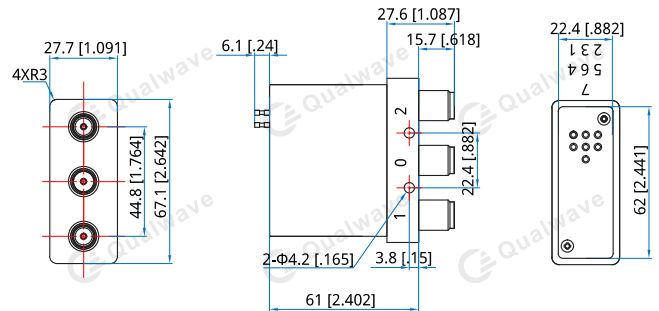
Size*2:	61*67.1*27.7mm 2.402*2.642*1.091in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	N Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post
Mounting:	2-Φ4.2mm through-hole

[2] Exclude connectors.

Environmental

Temperature:	-25~+65°C
Extended Temperature:	-45~+85°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.5mm [±0.02in]

Additional Options

TTL: T
 Indicators: I
 Extended Temperature: Z
 Positive Common
 Waterproof Sealing Type
 Low Intermodulation (Only N) :-150dBc or -165dBc

How To Order

QMS2N-F-WXYZ

F: Frequency in GHz
 W: Actuator Type. Failsafe: 0, Latching: 1.
 X: Voltage. +12V: E, +24V: K, +28V: M.
 Y: Power Interface. Pin: 0, D-Sub: 1.
 Z: Additional Options.

Examples:

To order a SPDT switch, N Female, DC-12.4GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify QMS2N-12.4-0E1TI.

Customization is available upon request.

Pin Numbering

Failsafe

Pin	Function	Pin	Function
1	VDC(RF: 0 to 2)	4~5	Indicator (1~2)
3	COM(RF: 0 to 2)	6	COM (Indicator)

Failsafe&TTL

Pin	Function	Pin	Function
1	VDC(RF: 0 to 2)	4~5	Indicator (1~2)
2	A1(RF: 0 to 2)	6	Indicator (COM)
3	COM(RF: 0 to 2)	7~9	NC

Latching

Pin	Function	Pin	Function
1	V1(RF: 0 to 1)	4~5	Indicator (1~2)
2	V2(RF: 0 to 2)	6	COM (Indicator)
3	COM		

Latching&TTL

Pin	Function	Pin	Function
1	VDC	5~6	Indicator (1~2)
2	A1(RF: 0 to 1)	7	Indicator (COM)
3	COM	8~9	NC
4	A4(RF: 0 to 2)		

Driving Schematic Diagram

