QMS27

DC~4GHz, SPDT

Features:
* Low VSWR
* Low Insertion Loss
* High Isolation

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~4GHz
Impedance:	50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (W)
DC~1	0.3	70	1.3	3000
1~4	0.5	60	1.5	3000

Voltage*1 (V)		28
Current (mA)	Normally Open	400

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

	Low Level	High Level	
TTL	0~0.3V	3~5V	20mA

	Voltage (V max.)	Current Capacity (mA max.)	Impedance (Ω)
Indicators*2	50	100	15

[2] Connect the control terminal VDC & GND before running this function.

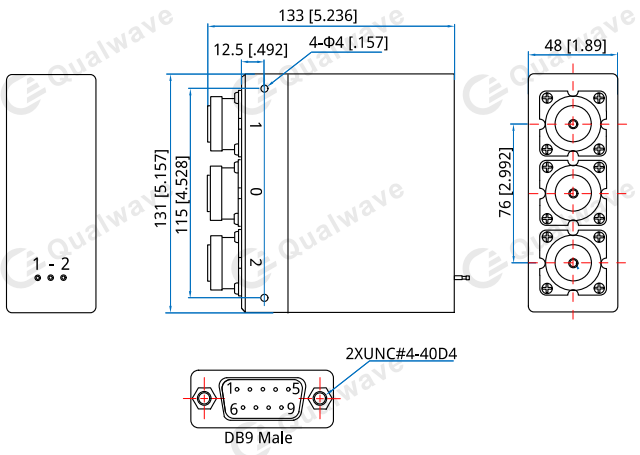
Mechanical

Switching Sequence:	Break before Make
Switching Time:	50mS max.
Operation Life:	1M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2Sine, 11mS
RF Connectors:	7/16 DIN (L29) Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 9

Environmental

Operating Temperature:	-25~+65°C
Extended Temperature:	-45~+85°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



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

Additional Options

TTL: T
Indicators: I
Extended Temperature: Z
Positive Common

How To Order

QMS27-F-WXYZ
F: Frequency in GHz
W: Actuator Type. Normally Open: 3.
X: Voltage. +28V: M.
Y: Power Interface. Pin: 0, D-Sub: 1.
Z: Additional Options.

Examples:
To order a SPDT switch, DC-4GHz, Normally Open, +28V, D-Sub, TTL, Indicators, specify QMS27-4-3M1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1	V1 (RF: 1 to 0)	6	Indicator (COM)
2	V2 (RF: 2 to 0)	7	Indicator (VDC)
3	COM	8~9	NC
4~5	Indicator (1~2)		

Normally Open&TTL

Pin	Function	Pin	Function
1	VCD	5~6	Indicator (1~2)
2	A1 (RF: 1 to 0)	7	Indicator (COM)
3	COM	8~9	NC
4	A2 (RF: 2 to 0)		

Driving Schematic Diagram