

QMS12S

DC~16GHz, SP11T~SP12T

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

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: DC~16GHz
 Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC-6	0.3	70	1.3
6-12	0.4	60	1.4
12-16	0.6	50	1.6

Voltage*1 (V)	12	24	28	
Current (mA)	Normally Open	300	150	140

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

Mechanical

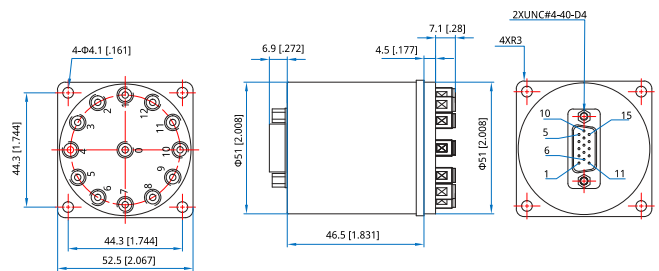
Size*2: 52.5*52.5*46.5mm
 2.067*2.067*1.831in
 Switching Sequence: Break before Make
 Switching Time: 15mS max.
 Operation Life: 2M Cycles
 Vibration (operating): 20-2000Hz, 10G RMS
 Mechanical Shock (non-operating): 30G, 1/2sine, 11mS
 RF Connectors: SMA Female
 Power Supply & Control Interface Connectors: D-Sub 15/D-Sub 26/J30J-31core
 Mounting: 4-Φ4.1mm through-hole

[2] Exclude connectors.

Environmental

Temperature: -25~+65°C
 Extended Temperature: -40~+85°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.5mm [±0.00in]

Additional Options

TTL: T
 Indicators: I
 Extended Temperature: Z
 Positive Common
 Waterproof Sealing Type

How To Order

QMS12S-F-WXYZ

F: Frequency in GHz
 W: Actuator Type. Normally Open: 3
 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, DC-16GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS12S-16-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~12	V1~V12	14~25	Indicator (1~12)
13	COM	26	Indicator (COM)

Normally Open & TTL

Pin	Function	Pin	Function
1~12	A1~A12	15~26	Indicator (1~12)
13	VDC	27	Indicator (COM)
14	COM	28~31	NC

Driving Schematic Diagram

