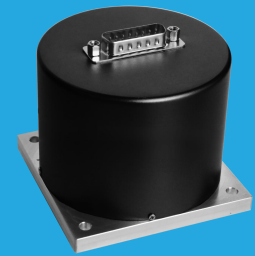


## QMS12S

### DC~16GHz, SP11T~SP12T

Features:  
 \* High Power  
 \* Long Operation Life

Applications:  
 \* Wireless  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar



### Electrical

Frequency:	DC~16GHz			
Impedance:	50Ω			
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	
DC~4	0.2	70	1.2	
4~8	0.4	65	1.4	
8~12.4	0.6	60	1.5	
12.4~16	0.6	60	1.6	
Voltage (V)	+12	+18	+24	+28
Current (mA)	Normally Open	290	145	100

### Mechanical

Size*1:	52*L*52mm 2.047*L*2.047in			
Weight:	280g			
Switching Sequence:	Break before Make			
Switching Time:	15mS max.			
Operation Life:	1M Cycles			
Vibration (operating):	20-2000Hz, 10G RMS			
Mechanical Shock (non-operating):	50G, 1/2sine, 11mS			
RF Connectors:	SMA Female			
Power Supply & Control Interface Connectors:	D-Sub 15			
Mounting:	4-Φ4.8mm through-hole			

[1] Exclude connectors.

### Pin Numbering

Pin	Function	Pin	Function
1~12	V1~V12/A1~A12	14	NA
13	COM	15	V (TTL Only)

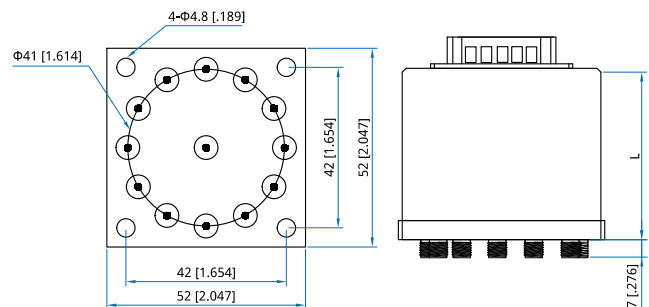
### Port

SP11T	1~11	SP12T	1~12
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### Environmental

Temperature: -25~+65°C  
 Extended Temperature: -55~+85°C

### Outline Drawings



Height (L)	Standard	TTL
mm	62	72
in	2.44	2.84

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### Additional Options

TTL: T      Indicators: I      Extended Temperature: Z

### How To Order

#### QMSVS-F-WXYZ

V: 11~12 (SP11T~SP12T)

F: Frequency in GHz

W: Actuator Type. Normally Open: 3.

X: Voltage. +12V: E, +18V: H, +24V: K, +28V: M.

Y: Power Interface. D-Sub: 1.

Z: Additional Options.

Examples:

To order a SP11T switch, DC-16GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS11S-16-3E1TI.

Customization is available upon request.