

# QMSD2K

## DC~40GHz, DPDT

**Features:**

- \* High Power
- \* Long Operation Life

**Applications:**

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar


**Electrical**

Frequency:	DC~40GHz				
Impedance:	50Ω				
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR		
DC~6	0.2	70	1.3		
6~12	0.25	70	1.4		
12~18	0.4	60	1.5		
18~26.5	0.9	55	1.7		
26.5~40	1.3	50	2.0		
Voltage (V)	+12	+18	+24	+28	
Current (mA)	Failsafe	380	280	200	180
	Latching	400	240	180	230

**Mechanical**

Size*1:	54.9*L*33.5mm 2.161*L*1.319in			
Weight:	120g			
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:	2.92mm Female			
Power Supply & Control Interface:	Feed Through/Terminal Post or D-Sub 9			
Mounting:	3-Φ3.8mm through-hole			

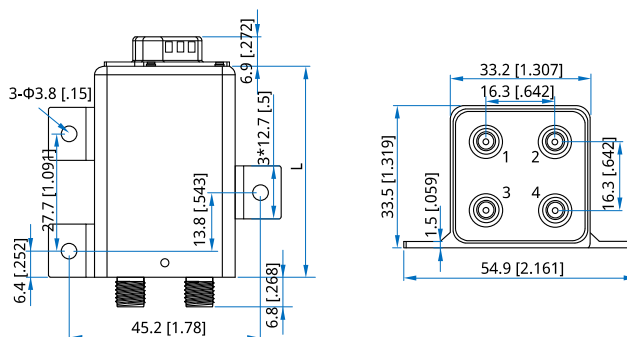
[1] Exclude connectors.

**Pin Numbering**

Pin	Function	Pin	Function
1	V1/A1 (1-3, 2-4)	5~6	Indicator
2	V2/A2 ((1-2, 3-4, Latching Only)	7	COM (Indicator)
3	COM	9	V (TTL or Indicator)
4/8	NA		

**Environmental**

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

**Outline Drawings**


Height (L)	Standard	TTL	Indicator
mm	47	53	60
in	1.85	2.09	2.36

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

**Additional Options**

TTL: T                      Indicators: I                      Extended Temperature: Z

**How To Order**
**QMSD2K-F-WXYZ**

F: Frequency in GHz

W: Actuator Type. Failsafe: 0, Latching: 1.

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

Y: Power Interface. Pin: 0, D-Sub: 1.

Z: Additional Options.

Examples:

To order a DPDT switch, DC-40GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify QMSD2K-40-0E1TI.

Customization is available upon request.