### **CS2H** Series

🚸 Features DC-6 GHz

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# SPDT, DC~6 GHz, SC Female, High Power Coaxial Switch

## Failsafe/Latching

### RF Characteristics

Frequency	Ins. Loss	Isolation	VSWR	Average Power
GHz	dB	dB		W
DC~6	0.3	70	1.3	650

Low Loss **High Isolation** •

Low VSWR

SC(f) connectors

### **Operating Voltage/Coil Curent**

Operating	Voltage(V)	12	24	28
Current	Current Failsafe		200	180
(mA) Latching		400	200	185

TTL	Low(V)		High					
	0~0.3	3~5V	20mA					
Indicator	V(max)	mA(max)	Ω(max)					
Rating	50	100	15					
* +Vdc and GND must be connected to operate								



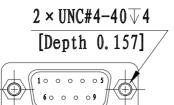
#### Specifications Outline Drawing[mm[inch]] **Frequency Range** Solder Pin DC-6 GHz 50 Ohms Impedance 6.1 (0.24) 16 (×0.22 **Break Before Make** Switching Sequence Switching Time 15mS max 50.0 [2.00] 9.5 (3.13) 531 284 **Operating Life** 2 million cycles Shock, Non-operating 50G, 1/2 Sine, 11ms 9.15 [0.36 12.9 [0.51] Vibration, Operating 20-2000Hz, 10G RMS L=61(W.O. TTL / W. TTL / IND) **RF** Interface SC female D-SUB **Control Connecter** Solder pins/D-SUB 9Pin Male -55℃~+85℃ Storage Temperature **Operating Temperature** -25°C~+65°C (Standard) **%.5** [3.13] **79.5** [3.13] 50.6 [2.00] -45°C~+85°C (Extended Temp. 1) -55℃~+85℃ (Extended Temp. 2) 9.15 (0.36 Weight 240g 12.9 (0.51) L=64(W.O. TTL / W. TTL / IND) Ordering Information TCS2H -С 24 **Connectors** Frequency Voltage **Special Options** Temperature **Actuator Terminals** Actuator C: SC female F: Failsafe 6: DC~6GHz 5: 5V 0: Ground Plane 0: Standard 0: Solder pins 1: D-SUB 9PIN Male L: Latching 12: 12V 1: TTL Driver 1: -45~+85°C 24: 24V 2: -55~+85°C 2: Positive Common 28: 28V 3: Self Cut-off 4: Ground Plane + IND 5: TTL Driver + IND 6: Positive Common + IND (IND=Indicators)

Please feel free to contact us for more information regarding additional options and custom configurations

A Professional RF & Microwave Components Supplier Titan Microwave Inc.

# SPDT, DC~6 GHz, SC Female, High Power Coaxial Switch

Failsafe/Latching



# Truth Table

### DB9 male

### FAILSAFE W/O TTL

Solder pins/D-SUB 9Pin Male	Pin No.	1	2	3	4	5	6	7	8~9
	Description	V	N/A	GND	IND 1	IND 2	IND COM	VDC	N/A
RF Path	OFF / RF 1-0	RF 2-0	-	-	RF 1-0	RF 2-0	-	-	-

#### FAILSAFE W/ TTL

Solder pins/D-SUB 9Pin Male	Pin No.	1	2	3	4	5	6	7~9
Solder pins/D-SOB 9Fin Male	Description	VDC	TTL	GND	IND 1	IND 2	IND COM	N/A
RF Path	OFF / RF 1-0	RF 2-0	-	-	RF 1-0	RF 2-0	-	-

### LATCHING W/O TTL

Solder pins/D-SUB 9Pin Male	Pin No.	1	2	3	4	5	6	7	8~9
	Description	V1	V2	GND	IND 1	IND 2	IND COM	VDC	N/A
RF Path	-	RF 1-0	RF 2-0	-	RF 1-0	RF 2-0	-	-	-

### LATCHING W/ TTL

Solder pins/D-SUB 9Pin Male	Pin No.	1	2	3	4	5	6	7	8~9
	Description	VDC	TTL	GND	TTL	IND 1	IND 2	IND COM	N/A
RF Path	-	-	RF 1-0	-	RF 2-0	RF 1-0	RF 2-0	-	-

Please feel free to contact us for more information regarding additional options and custom configurations