

❖ Features

- DC-43.5 GHz
- Low VSWR
- Low Loss
- High Isolation
- 2.92mm(f) connectors

❖ RF Characteristics

Frequency	Ins. Loss	Isolation	VSWR	Average Power
GHz	dB	dB		W
DC~6	0.2	70	1.2	40
6~12	0.3	70	1.3	30
12~18	0.4	60	1.4	25
18~26.5	0.6	55	1.6	12
26.5~32	0.7	50	1.7	8
32~40	0.8	50	1.8	5
40~43.5	0.8	50	1.8	4



Operating Voltage/ Coil Curent

Operating Voltage(V)	12	24	28	
Current (mA)	Failsafe	195	100	95
	Latching	230	140	120

TTL	Low(V)	High	
	0~0.3	3~5V	20mA

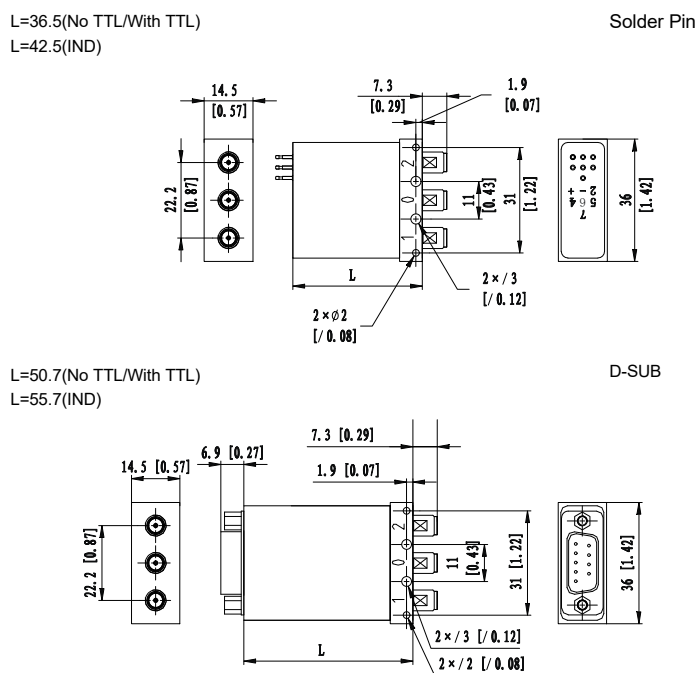
Indicator Rating	V(max)	mA(max)	Ω(max)
		50	100

\* +Vdc and GND must be connected to operate

❖ Specifications

Frequency Range	DC-43.5 GHz
Impedance	50 Ohms
Switching Sequence	Break Before Make
Switching Time	15mS max
Operating Life	2 million cycles
Shock, Non-operating	50G, 1/2 Sine, 11ms
Vibration, Operating	20-2000Hz, 10G RMS
RF Interface	2.92mm female
Control Connector	Solder pins/D-SUB 9Pin Male
Storage Temperature	-55°C~+85°C
Operating Temperature	-25°C~+65°C (Standard) -45°C~+85°C (Extended Temp. 1) -55°C~+85°C (Extended Temp. 2)
Weight	45g

❖ Outline Drawing [mm[inch]]



❖ Ordering Information

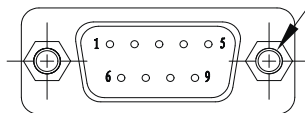
TCS2 - K F 43 24 - 1 0 1

Connectors	Actuator	Frequency	Voltage	Special Options	Temperature	Actuator Terminals
K: 2.92mm female	F: Failsafe L: Latching	43: DC~43.5 GHz	5: 5V 12: 12V 24: 24V 28: 28V	0: Ground Plane 1: TTL Driver 2: Positive Common 3: Self Cut-off 4: Ground Plane & IND 5: TTL Driver & IND 6: Positive Common & IND  (IND=Indicators)	0: Standard 1: -45~+85°C 2: -55~+85°C	0: Solder pins 1: D-SUB 9PIN Male

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

2 × UNC#4-40▽4

[Depth 0.157]



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
	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	-	-