

Fail-safe/Latching

❖ Features

- DC-40 GHz
- Low VSWR
- Low Loss
- High Isolation
- 2.92mm(f) connectors
- Bracket (Optional)

❖ RF Characteristics

Frequency	Ins. Loss	Isolation	VSWR	Average Power
GHz	dB	dB		W
DC~6	0.3	70	1.3	40
6~12	0.4	70	1.4	30
12~18	0.5	55	1.5	25
18~26.5	0.7	50	1.7	12
26.5~32	0.8	50	1.8	8
32~40	0.9	50	1.9	5

Operating Voltage/Coil Current

Operating Voltage(V)		12	24	28
Current (mA)	Fail-safe	350	200	180
	Latching	400	200	185

TTL	Low(V)	High	
	0~0.3	3~5V	1.4mA

Indicator Rating	V(max)	mA(max)	Ω(max)
	50	100	15

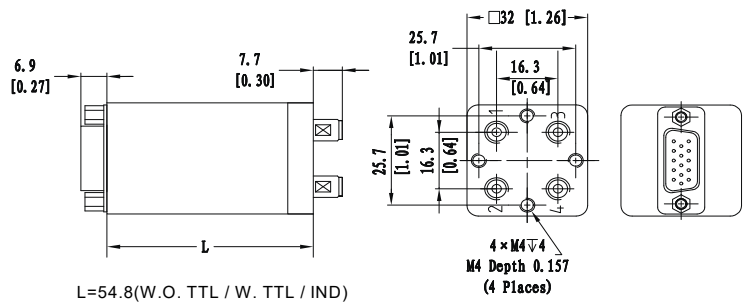
※ +Vdc and GND must be connected to operate



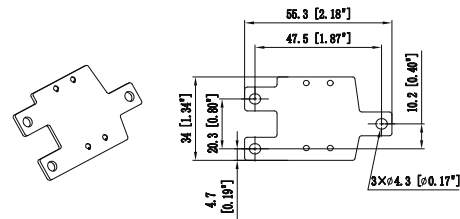
❖ Specifications

Frequency Range	DC-40 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	D-SUB 15Pin 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	100g

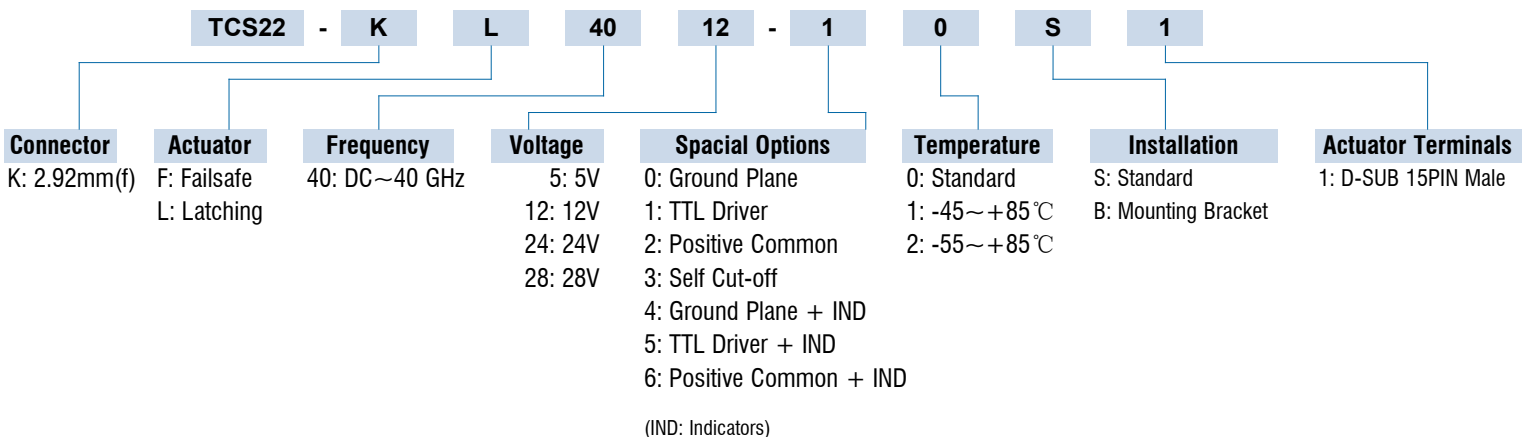
❖ Outline Drawing [mm[inch]]



◆ Mounting Bracket

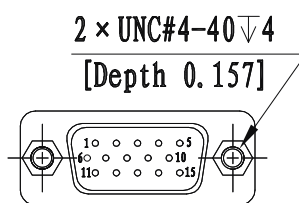


❖ Ordering Information



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

Failsafe/Latching



DB15 male

Truth Table

FAILSAFE W/O TTL

D-SUB 15Pin Male	Pin No.	1	2	3~11	12	13	14	15
	Description	GND	V	N/A	VDC	IND 1	IND 2	IND COM
RF Path	OFF/RF 1-2, 3-4	-	RF 1-3, 2-4	-	-	RF 1-2, 3-4	RF 1-3, 2-4	-

FAILSAFE W/ TTL

D-SUB 15Pin Male	Pin No.	1	2	3	4~12	13	14	15
	Description	VDC	GND	TTL	N/A	IND 1	IND 2	IND COM
RF Path	OFF/RF 1-2, 3-4	-	-	RF 1-3, 2-4	-	RF 1-2, 3-4	RF 1-3, 2-4	-

LATCHING W/O TTL

D-SUB 15Pin Male	Pin No.	1	2	3	4~11	12	13	14	15
	Description	V1	V2	GND	N/A	VDC	IND 1	IND 2	IND COM
RF Path	-	RF 1-2, 3-4	RF 1-3, 2-4	-	-	-	RF1-2,3-4	RF1-3,2-4	-

LATCHING W/ TTL

D-SUB 15Pin Male	Pin No.	1	2	3	4	5~12	13	14	15
	Description	VDC	GND	TTL	TTL	N/A	IND 1	IND 2	IND COM
RF Path	-			RF 1-2, 3-4	RF 1-3, 2-4	-	RF1-2,3-4	RF1-3,2-4	-