

## Electro Mechanical Switches ( Coax W/O Termination)

### FEATURES:

- ❖ Switches with integral TTL
- ❖ Switches with light indicator
- ❖ Available from DC to 65GHz
- ❖ Low Insertion Loss
- ❖ SP2T to SP4T & DPDT

### APPLICATIONS:

- ❖ Test Equipment
- ❖ Communication Systems
- ❖ Pulse Modulation
- ❖ Signal Switching.



CSM Series

### DESCRIPTION:

Cernex's CSM series Electro Mechanical Switches with and without TTL have very low insertion loss and high isolation. These switches are very durable and work reliably in all systems. .

### SPECIFICATIONS:

Model Number	Frequency Range (GHz)	I.L (Max)	ISO (Max)	VSWR	Power	Switching Mode	Connector	DC Interface / 12V	TTL	Light Indicator
<b>SP2T</b>										
CSMDC18046028F02	DC-18	0.4	60	1.4:1	50	Failsafe	SMA-F	Solder Term	NO	NO
CSMDC18046028F12	DC-18	0.4	60	1.4:1	50	Failsafe	SMA-F	Solder Term	YES	NO
CSMDC18046028F02	DC-18	0.4	60	1.4:1	50	Failsafe	SMA-F	DSUB9-M	NO	NO
CSMDC18046028F12	DC-18	0.4	60	1.4:1	50	Failsafe	SMA-F	DSUB9-M	YES	NO
CSMDC18046028F12	DC-18	0.4	60	1.4:1	50	Failsafe	SMA-F	Solder Term	YES	YES
CSMDC18046028F12	DC-18	0.4	60	1.4:1	50	Failsafe	SMA-F	DSUB9-M	YES	YES
CSMDC18046028L02	DC-18	0.4	60	1.4:1	50	Latching	SMA-F	Solder Term	NO	NO
CSMDC18046028L12	DC-18	0.4	60	1.4:1	50	Latching	SMA-F	Solder Term	YES	NO
CSMDC18046028L02	DC-18	0.4	60	1.4:1	50	Latching	SMA-F	DSUB9-M	NO	NO
CSMDC18046028L12	DC-18	0.4	60	1.4:1	50	Latching	SMA-F	DSUB9-M	YES	NO
CSMDC18046028L12	DC-18	0.4	60	1.4:1	50	Latching	SMA-F	Solder Term	YES	YES
CSMDC18046028L12	DC-18	0.4	60	1.4:1	50	Latching	SMA-F	DSUB9-M	YES	YES
CSMDC40125028F12	DC-40	1.2	50	2.0:1	8	Failsafe	2.92-F	DSUB9-M	YES	YES
CSMDC40105028F02	DC-40	1.0	50	2.0:1	8	Failsafe	2.92-F	Solder Term	NO	NO
CSMDC40105028F12	DC-40	1.0	50	2.0:1	8	Failsafe	2.92-F	Solder Term	YES	NO
CSMDC40105028F02	DC-40	1.0	50	2.0:1	8	Failsafe	2.92-F	DSUB9-M	NO	NO
CSMDC40105028F12	DC-40	1.0	50	2.0:1	8	Failsafe	2.92-F	DSUB9-M	YES	NO
CSMDC40105028F12	DC-40	1.0	50	2.0:1	8	Failsafe	2.92-F	Solder Term	YES	YES
CSMDC40105028L02	DC-40	1.0	50	2.0:1	8	Latching	2.92-F	Solder Term	NO	NO



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<b>SP2T</b>										
CSMDC40105028L12	DC-40	1.0	50	2.0:1	8	Latching	2.92-F	Solder Term	YES	NO
CSMDC40105028L02	DC-40	1.0	50	2.0:1	8	Latching	2.92-F	DSUB9-M	NO	NO
CSMDC40105028L12	DC-40	1.0	50	2.0:1	8	Latching	2.92-F	Solder Term	YES	NO
CSMDC40105028L12	DC-40	1.0	50	2.0:1	8	Latching	2.92-F	DSUB9-M	YES	YES
CSMDC50105028L12	DC-40	1.0	50	2.0:1	2	Latching	2.4-F	DSUB9-M	YES	NO
CSMDC50105028F12	DC-50	1.0	50	2.0:1	2	Failsafe	2.4-F	DSUB9-M	YES	NO
<b>SP3T</b>										
CSMDC18056028N03	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC18056028N03	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC18056028N13	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	NO
CSMDC40105028N13	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	NO
CSMDC40105028N03	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	NO	NO
CSMDC40105028N03	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	NO	NO
<b>SP4T</b>										
CSMDC18056028N04	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC18056028N04	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC18056028N14	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	NO
CSMDC40105028N14	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	NO
CSMDC40105028N14	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	NO
CSMDC40105028N14	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	NO
<b>SP5T</b>										
CSMDC18056028N15	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	YES
CSMDC18056028N15	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	YES
CSMDC18056028N15	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	YES
CSMDC40105028N15	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	YES
CSMDC40105028N05	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	NO	NO
CSMDC40105028N05	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	NO	NO
<b>SP6T</b>										
CSMDC18056028N16	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	NO
CSMDC18056028N16	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	YES	NO
CSMDC18056028N06	DC-18	0.5	60	1.5:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC40105028N06	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	NO	NO
CSMDC40105028N16	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	NO
CSMDC40105028N16	DC-40	1.0	50	2.0:1	8	Normally Open	2.92-F	DSUB9-M	YES	NO
<b>SP7T</b>										
CSMDC18066028N07	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC18066028N07	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC26085528N07	DC-26.5	0.8	55	1.8:1	10	Normally Open	2.92-F	DSUB9-M	NO	NO
CSMDC26085528N07	DC-26.5	0.8	55	1.8:1	15	Normally Open	2.92-F	DSUB9-M	NO	NO
<b>SP8T</b>										
CSMDC18066028N18	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	YES	NO

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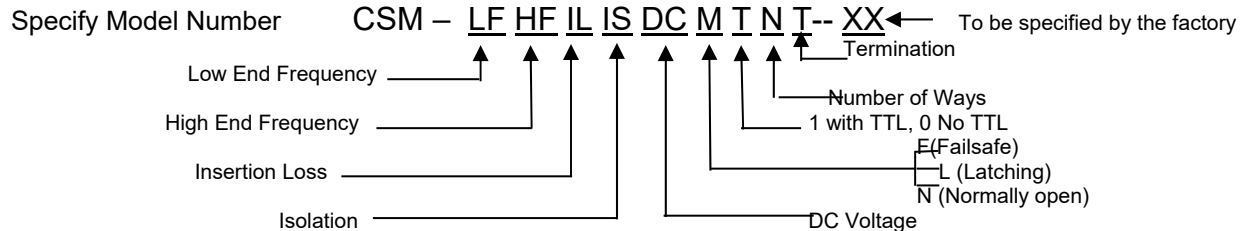
CSMDC18066028N18	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	YES	NO
SP8T										
CSMDC26085528N18	DC-26.5	0.8	55	1.8:1	15	Normally Open	2.92-F	DSUB9-M	YES	NO
CSMDC26085528N18	DC-26.5	0.8	55	1.8:1	15	Normally Open	2.92-F	DSUB9-M	YES	NO
SP9T										
CSMDC18066028N19	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	YES	YES
CSMDC18066028N19	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	YES	YES
CSMDC26085528N19	DC-26.5	0.8	55	1.8:1	10	Normally Open	2.92-F	DSUB9-M	YES	YES
CSMDC26085528N19	DC-26.5	0.8	55	1.8:1	10	Normally Open	2.92-F	DSUB9-M	YES	YES
SP10T										
CSMDC18066028N010	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC18066028N010	DC-18	0.6	60	1.6:1	45	Normally Open	SMA-F	DSUB9-M	NO	NO
CSMDC26085528N110	DC-26.5	0.8	55	1.8:1	10	Normally Open	2.92-F	DSUB9-M	YES	NO
CSMDC26085528N110	DC-26.5	0.8	55	1.8:1	10	Normally Open	2.92-F	DSUB9-M	YES	NO

ALL THE ABOVE SPECIFICATIONS ARE @ 25°C  
OTHER FREQUENCY BANDS ARE ALSO AVAILABLE

NOTES: SWITCHING SPEED: 15mS

LIFE CYCLE: DC TO 40GHz IS 5 MILLION CYCLES FOR SPDT. 2 MILLION CYCLES FOR SP3T-SP10T  
DC TO 50GHz IS 1 MILLION CYCLES.

### HOW TO ORDER:



CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE