SPDT FAILSAFE COAXIAL SWITCH DC-20GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	100
3-6	<1.3	>70	<0.3	70
6-12.4	<1.4	>60	<0.4	50
12.4-18	<1.5	>60	<0.5	40
18-20	<1.6	>55	<0.6	30

Specification:

Operating Voltage.....5V,12V, 24V,28V

Switching Time..... 15ms max

Operating Current.....480mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

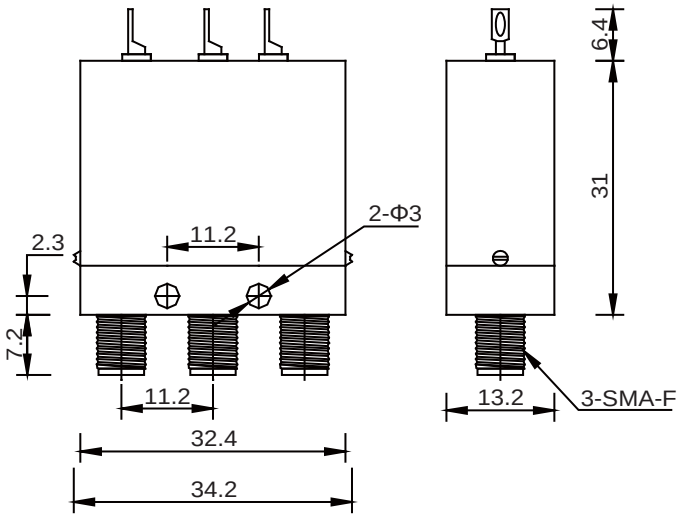
Impedance..... 50Ω

Connector Type.....SMA-F

Case type(mm).....32.4*31*13.2

Weight.....150g

Case type(mm):



How To Order:

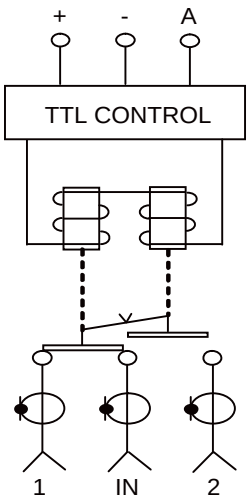
Specify Part Number SPDT - X - X - F - X - S

Freq Range:
A=12GHz
B=18GHz
C=20GHz

DC Power:
1=12VDC
2=24VDC
3=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Schematic:



Example: To order a DC-18GHz SPDT switch with 12VDC Power supply,failsafe,without driver only voltage control not TTL,so the specify :SPDT-B-1-F-M-S.

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SP3T-SP6T NORMALLY OPEN COAXIAL SWITCH DC-18GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	100
3-6	<1.3	>70	<0.3	80
6-12	<1.4	>60	<0.4	50
12-18	<1.5	>60	<0.5	40

Specification:

Operating Voltage.....12V, 24V,28V

Switching Time..... 15ms max

Operating Current.....270mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

Control Connector..... DB-9 PIN Male

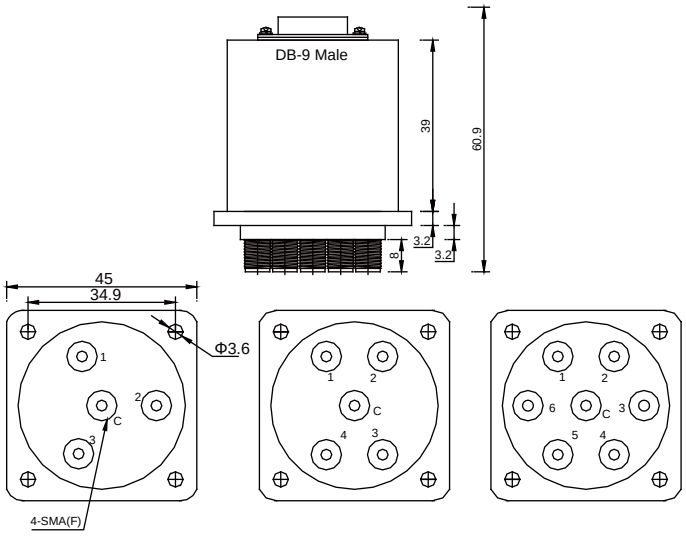
Impedance..... 50 Ω

Connector Type.....SMA-F

Case type(mm)..... 45x45x60.9

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number SPXT - X - X - F - X - S

Throws:
3-6

Freq Range:
A=12GHz
B=18GHz

DC Power:
1=12VDC
2=24VDC
3=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-12GHz SP6T switch with 12VDC Power supply, normally open,without driver only voltage control not TTL,so the specify :SP6T-A-1-F-M-S.

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SP7T-SP8T NORMALLY OPEN COAXIAL SWITCH DC-18GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	80
3-6	<1.3	>70	<0.3	60
6-12	<1.5	>60	<0.4	30
12-18	<1.6	>50	<0.8	20

Specification:

Operating Voltage.....12V, 24V

Switching Time..... 15ms max

Operating Current.....270mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

Control Connector..... DB-15 3 Lines PIN Female

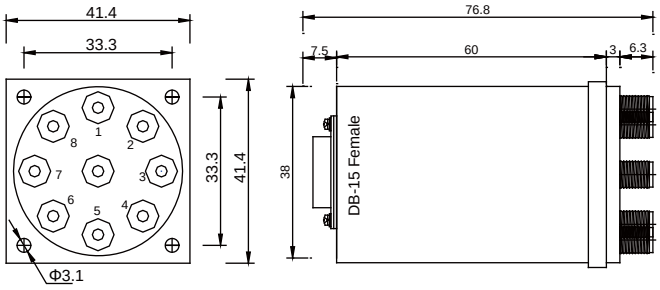
Impedance..... 50 Ω

Connector Type.....SMA-F

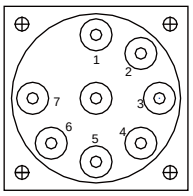
Case type(mm).....41.4x41.4x76.8

Weight.....150g

Case type(mm):



SP8T



SP7T

How To Order:

Specify Part Number SPXT - X - X - F - X - S

Throws:
7-8

Freq Range:
A=12GHz
B=18GHz

DC Power:
1=12VDC
2=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-12GHz SP8T switch with 12VDC Power supply, normally open, without driver only voltage control not TTL,so the specify :SP8T-A-1-F-M-S.

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SP9T-SP10T NORMALLY OPEN COAXIAL SWITCH DC-18GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>70	<0.2	80
3-6	<1.3	>65	<0.3	60
6-12	<1.5	>60	<0.5	40
12-16	<1.6	>55	<0.6	30
16-18	<1.8	>50	<0.8	20

Specification:

Operating Voltage.....12V, 24V,28V

Switching Time..... 20ms max

Operating Current.....300mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

Control Connector.....DB-15 Famale

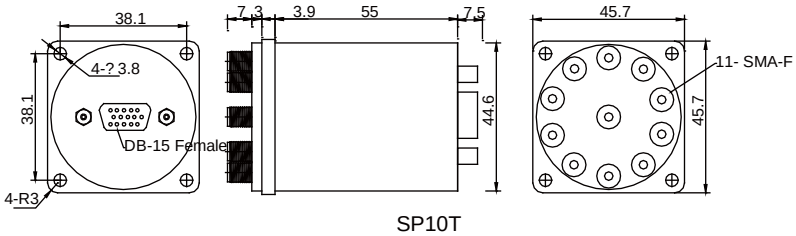
Impedance..... 50 Ω

Connector Type.....SMA-F

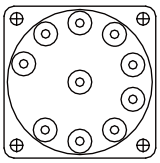
Case type(mm)..... 45.7*45.7*55

Weight.....150g

Case type(mm):



SP10T



SP9T

How To Order:

Specify Part Number SPXT - X - X - F - X - S

Throws:
9-10

Freq Range:
A=12GHz
B=18GHz

DC Power:
1=12VDC
2=24VDC
3=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-12GHz SP9T switch with 12VDC Power supply,normally open,without driver only voltage control not TTL,so the specify :SP9T-A-1-F-M-S.

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SP3T-SP6T NORMALLY OPEN COAXIAL SWITCH DC-6GHz
N-TYPE HIGH POWER

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing(Watt)	
				Normal	High Power
DC-3	<1.2	>80	<0.2	200	400
3-6	<1.3	>70	<0.3	150	250

Specification:

Operating Voltage.....12V,24V

Switching Time.....15ms max

Operating Current.....275mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

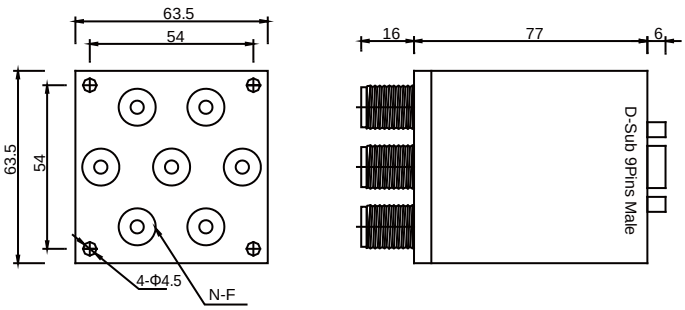
Impedance..... 50 Ω

Connector Type.....N-F

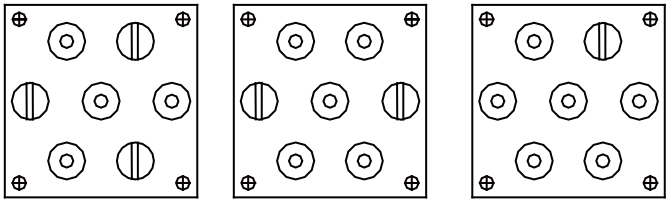
Case type(mm)..... 77*63.5*63.5

Weight.....150g

Case type(mm):



SP6T



SP3T SP4T SP5T

How To Order:

Specify Part Number SPXT - X - X - F - X - N - 060 - X

Throws:
3-6

Freq Range:
A=3GHz
B=6GHz

DC Power:
1=12VDC
2=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Power:
H=High Power Handing
Blank: Normal Power Handing

Example: To order a DC-3GHz SP3T switch with 12VDC Power supply, 400W, normally open,without driver only voltage control not TTL,so the specify :SP3T-A-1-F-M-N-060-H.

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SP3T-SP6T NORMALLY OPEN COAXIAL SWITCH DC-12.4GHz
N-TYPE HIGH POWER

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	200
3-6	<1.3	>70	<0.3	150
6-12.4	<1.6	>60	<0.8	100

Specification:

Operating Voltage.....12V,24V

Switching Time.....15ms max

Operating Current.....275mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

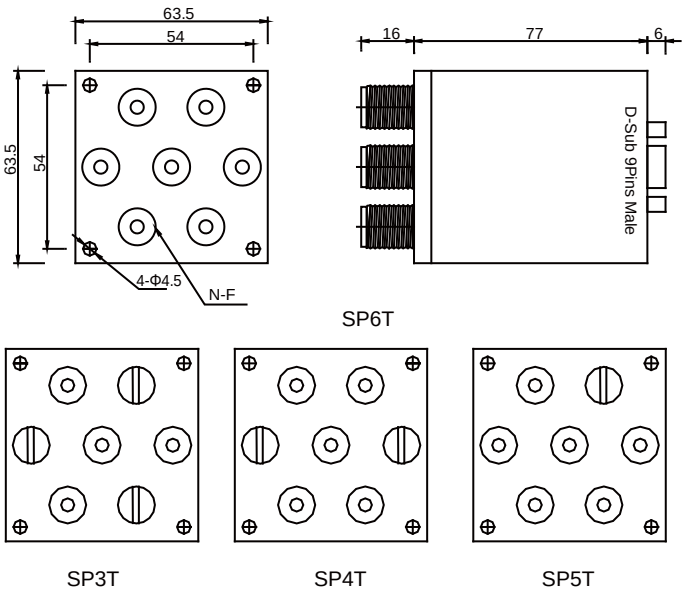
Impedance..... 50Ω

Connector Type.....N-F

Case type(mm)..... 77*63.5*63.5

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number SPXT - X - X - F - X - N-124

Throws:
3-6

Freq Range:
A=3GHz
B=6GHz
C=12.4GHz

DC Power:
1=12VDC
2=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-3GHz SP3T switch with 12VDC Power supply, normally open,without driver only voltage control not TTL,so the specify :SP3T-A-1-F-M-N-124.

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SPDT FAILSAFE COAXIAL SWITCH DC-12.4GHz N-TYPE

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	200
3-6	<1.35	>70	<0.4	150
6-12.4	<1.6	>60	<0.7	50

Specification:

Operating Voltage.....12V,24V,28V

Switching Time.....15ms max

Operating Current.....280mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

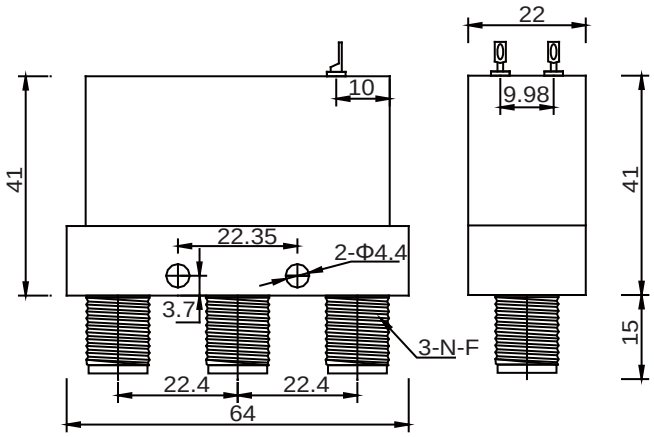
Impedance..... 50Ω

Connector Type.....N-F

Case type(mm)..... 64*41*22

Weight.....150g

Case type(mm):



How To Order:

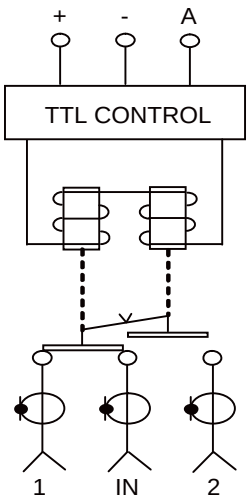
Specify Part Number SPDT - X - X - F - X - N

Freq Range:
A=3GHz
B=6GHz
C=12.4GHz

DC Power:
1=12VDC
2=24VDC
3=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Schematic:



Example: To order a DC-3GHz SPDT switch with 12VDC Power supply,failsafe,without driver only voltage control not TTL,so the specify :SPDT-A-1-F-M-N.

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DPDT FAILSAFE COAXIAL SWITCH DC-18GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	100
3-6	<1.3	>70	<0.3	70
6-12.4	<1.4	>60	<0.4	50
12.4-18	<1.5	>60	<0.5	40

Specification:

Operating Voltage.....12V,24V,28V

Switching Time.....20ms max

Operating Current.....360mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

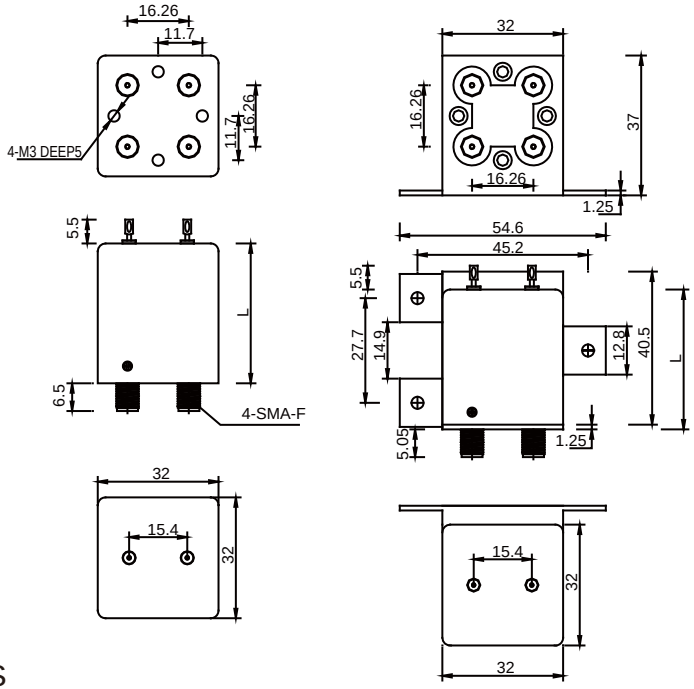
Impedance..... 50Ω

Connector Type.....SMA-F

Case type(mm)..... LX32X32

Weight.....150g

Case type(mm):



Not1:L=37mm (failsafe)
Note2:L=46mm(latching)

How To Order:

Specify Part Number DPDT - X - X - F - X - S

Freq Range:
A=3GHz
B=6GHz
C=12.4GHz
D=18GHz

DC Power:
1=12VDC
2=24VDC
3=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control.

Example: To order a DC-3GHz DPDT switch with 12VDC Power supply, failsafe， without driver only voltage control not TTL, so the specify :DPDT-A-1-F-M-S.

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MSPDT FAILSAFE COAXIAL SWITCH DC-3GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-1	<1.2	>60	<0.2	50W@2GHz
1-2	<1.5	>45	<0.4	
3	<1.7	>35	<0.6	

Specification:

Operating Voltage.....12V(9-24V)

Switching Time.....5ms max

Operating Current.....20mA

Work Temperature.....-45℃～+85℃

Life..... .....500,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

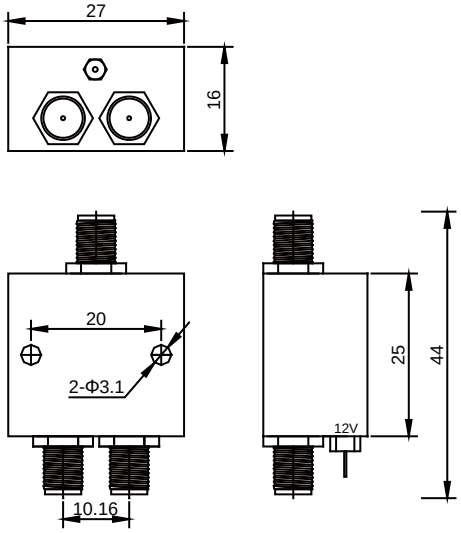
Impedance..... 50Ω

Connector Type..... SMA-F

Case type(mm)..... 27*27*16

Weight.....150g

Case type(mm):



How To Order:

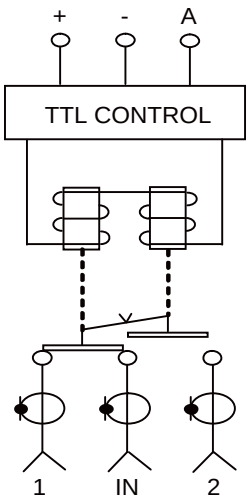
Specify Part Number MSPDT - X - X - F - X - S

Freq Range:
A=1GHz
B=2GHz
C=3GHz

DC Power:
1=12VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Schematic:



Example: To order a DC-1GHz MSPDT switch with 12VDC Power supply,failsafe, without driver only voltage control not TTL , ,so the specify :SPDT-A-1-F-M-S.

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MSPDT FAILSAFE COAXIAL SWITCH DC-3GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-1	<1.2	>60	<0.2	1W
1-2	<1.5	>45	<0.5	
2-3	<1.7	>35	<0.8	

Specification:

Operating Voltage.....5V

Switching Time.....5ms max

Operating Current.....50mA

Work Temperature.....-45℃～+85℃

Life..... .....300,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

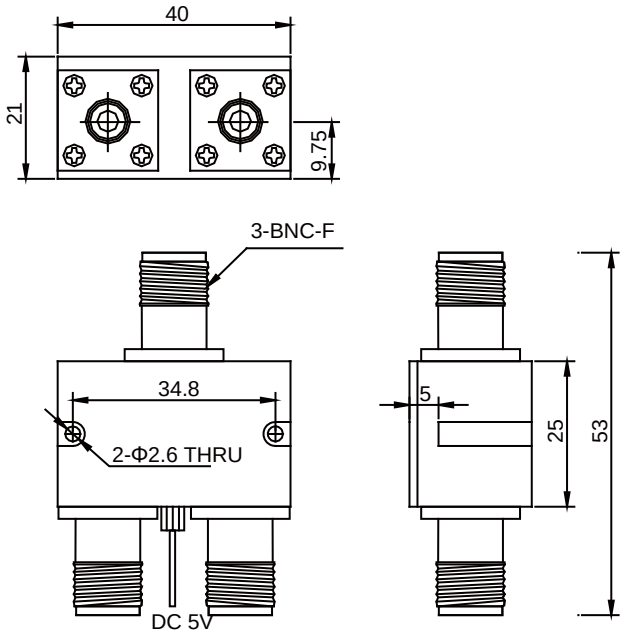
Impedance..... 75Ω

Connector Type.....F-F or BAC-F

Case type(mm)..... 40*25*21

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number MSPDT - X - X - F - X - 75

Freq Range:
A=1GHz
B=2GHz
C=3GHz

DC Power:
1=5VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-1GHz MSPDT switch with 5VDC Power supply,failsafe,without driver only voltage control not TTL,so the specify :MSPDT-A-1-F-M-75.

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MSP3T-MSP4T FAILSAFE COAXIAL SWITCH DC-3GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-1	<1.2	>60	<0.4	1W
1-2	<1.6	>45	<0.8	
2-3	<2.0	>35	<1.2	

Specification:

Operating Voltage.....5V

Switching Time.....5ms max

Operating Current.....150mA

Work Temperature.....-45℃～+85℃

Life..... .....300,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

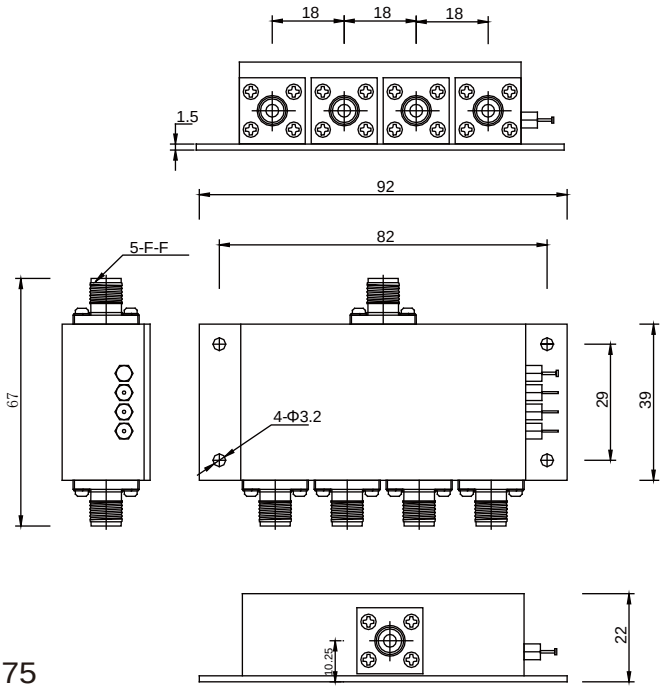
Impedance..... 75Ω

Connector Type.....F-F or BAC-F

Case type(mm)..... 40*25*21

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number MSPXT - X - X - F - X -75

Throws:
3-4

Freq Range:
A=1GHz
B=2GHz
C=3GHz

DC Power:
1=5VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-1GHz MSP3T switch with 5VDC Power supply, failsafe,without driver only voltage control not TTL,so the specify :MSP3T-A-1-F-M-75.

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DPDT LATCHING COAXIAL SWITCH DC-12.4GHz N-TYPE

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	200
3-6	<1.35	>70	<0.3	150
6-12.4	<1.6	>60	<0.7	50

Specification:

Operating Voltage.....24V

Switching Time.....15ms max

Operating Current.....400mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

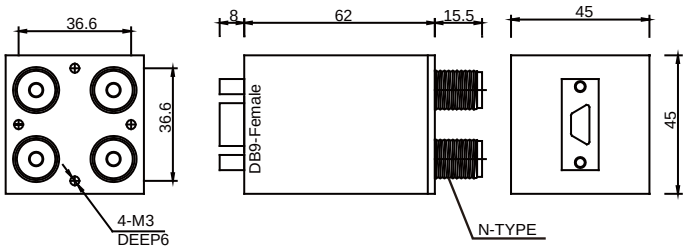
Impedance..... 50Ω

Connector Type.....N-F

Case type(mm).....62*45*45

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number DPDT - X - X - L - X - N - 124

Freq Range:
A=3GHz
B=6GHz
C=12.4GHz

DC Power:
1=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-6GHz DPDT switch with 24VDC Power supply,latching,without driver only voltage control not TTL, so the specify :DPDT-B-1-L-M-N-124.

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DPDT LATCHING COAXIAL SWITCH DC-18GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	100
3-6	<1.3	>70	<0.3	70
6-12.4	<1.4	>60	<0.4	50
12.4-18	<1.5	>60	<0.5	40

Specification:

Operating Voltage.....12V,24V,28V

Switching Time.....20ms max

Operating Current.....360mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

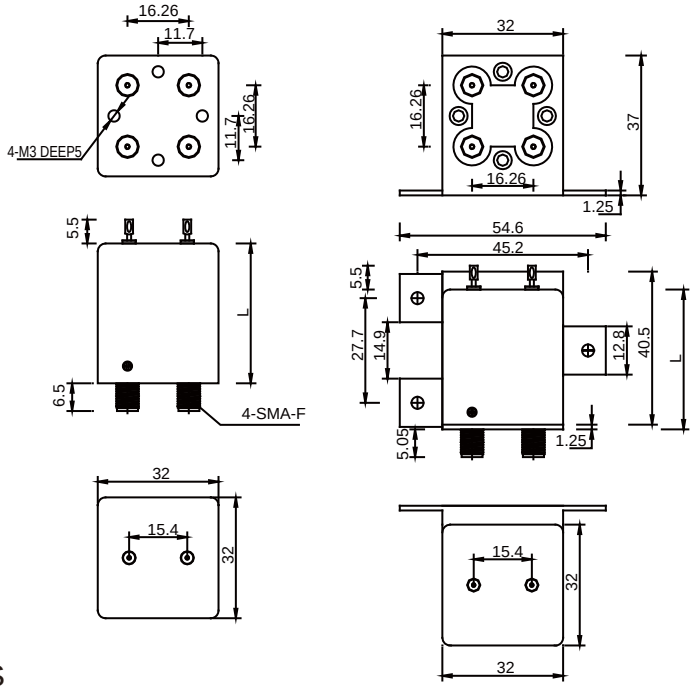
Impedance..... 50Ω

Connector Type.....SMA-F

Case type(mm)..... LX32X32

Weight.....150g

Case type(mm):



Not1:L=37mm (without TTL control)
Note2:L=46mm(with TTL control)

How To Order:

Specify Part Number DPDT - X - X - L - X - S

Freq Range:
- A=3GHz
- B=6GHz
- C=12.4GHz
- D=18GHz

DC Power:
- 1=12VDC
- 2=24VDC
- 3=28VDC

Driver:
- M=without driver only voltage control not TTL
- Blank: with TTL control

Example: To order a DC-18GHz DPDT switch with 12VDC Power supply,latching, without driver only voltage control not TTL, so the specify :DPDT-D-1-L-M-S

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DPDT LATCHING COAXIAL SWITCH DC-6GHz
N-TYPE HIGH POWER

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	400
3-6	<1.35	>70	<0.4	250

Specification:

Operating Voltage.....24V

Switching Time.....15ms max

Operating Current.....400mA

Work Temperature.....-45℃～+85℃

Life.....1000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

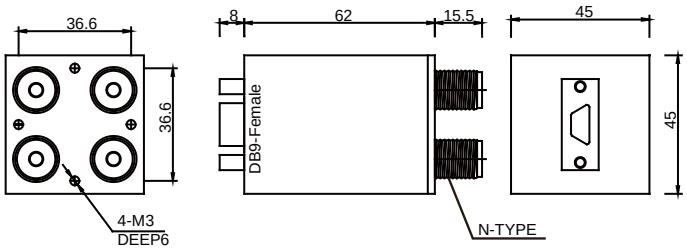
Impedance..... 50Ω

Connector Type.....N-F

Case type(mm).....62*45*45

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number DPDT - X - X - L - X - N - 060

Freq Range:
A=3GHz
B=6GHz

DC Power:
1=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Example: To order a DC-6GHz DPDT switch with 24VDC Power supply,without driver only voltage control not TTL , so the specify :DPDT-B-1-L-M-N-060.

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SPDT LATCHING COAXIAL SWITCH DC-22GHz

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	100
3-6	<1.3	>70	<0.3	70
6-12.4	<1.4	>60	<0.4	50
12.4-18	<1.5	>60	<0.5	40
18-22	<1.6	>55	<0.6	30

Specification:

Operating Voltage.....5V,12V, 24V,28V

Switching Time..... 15ms max

Operating Current.....480mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

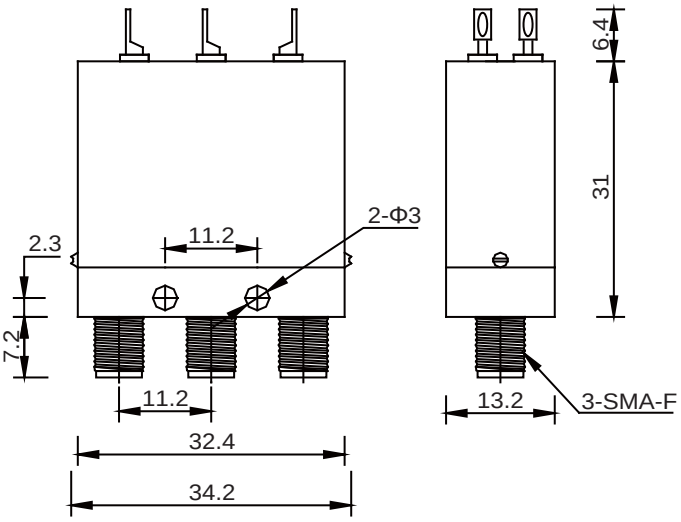
Impedance..... 50Ω

Connector Type.....SMA-F

Case type(mm).....32.4*31*13.2

Weight.....150g

Case type(mm):



How To Order:

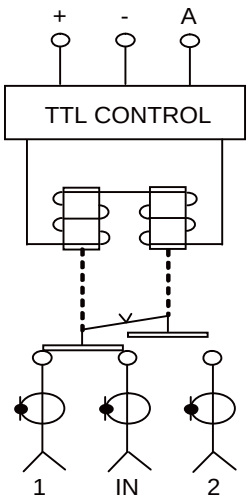
Specify Part Number SPDT - X - X - L - X - S

Freq Range:
A=12GHz
B=18GHz
C=22GHz

DC Power:
1=5VDC
2=12VDC
3=24VDC
4=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Schematic:



Example: To order a DC-18GHz SPDT switch with 12VDC Power supply, latching,without driver only voltage control not TTL,so the specify :SPDT-B-2-L-M-S.

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SPDT LATCHING COAXIAL SWITCH DC-3GHz
N-TYPE HIGH POWER

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-0.86	<1.06	>70	<0.0.6	2000
1-2	<1.2	>60	<0.1	750
2-3	<1.3	>60	<0.2	500

Specification:

Operating Voltage.....12V, 24V

Switching Time..... 50ms max

Operating Current.....800mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

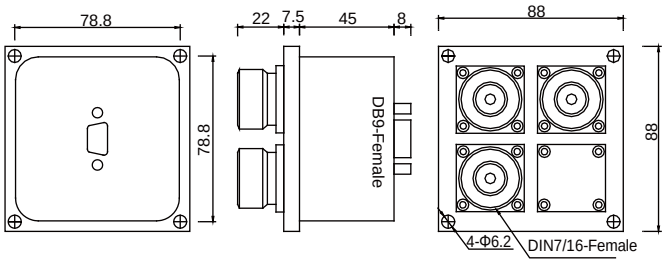
Impedance..... 50 Ω

Connector Type.....N-F

Case type(mm)..... 88*88*52.5

Weight.....150g

Case type(mm):



How To Order:

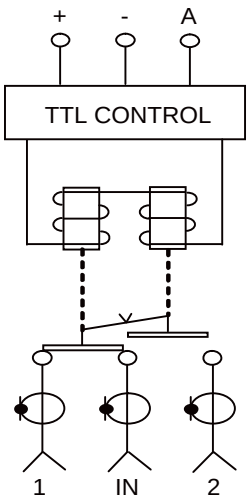
Specify Part Number SPDT - X - X - L- -X - N - 030

Freq Range:
A=1GHz
B=2GHz
C=3GHz

DC Power:
1=12VDC
2=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Schematic:



Example: To order a DC-3GHz SPDT switch with 12VDC Power supply, latching,without driver only voltage control not TTL,so the specify :SPDT-C-1-L-M-N-030.

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SPDT LATCHING COAXIAL SWITCH DC-6GHz
N-TYPE HIGH POWER

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing (Watt)
DC-3	<1.2	>80	<0.2	400
3-6	<1.35	>70	<0.4	250

Specification:

Operating Voltage.....12V, 24V,28V

Switching Time..... 20ms max

Operating Current..... 300mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

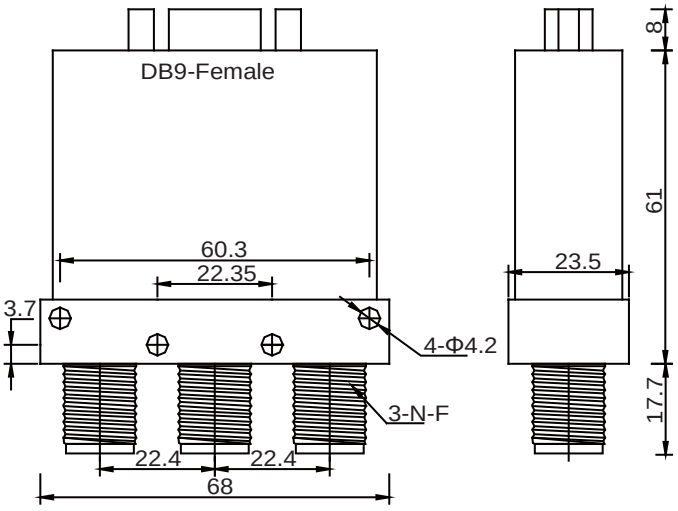
Impedance..... 50Ω

Connector Type.....N-F

Case type(mm)..... 68*61*23.5

Weight.....150g

Case type(mm):



How To Order:

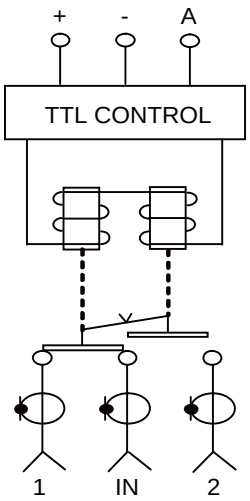
Specify Part Number SPDT - X - X - L - X - N - 060

Freq Range:
A=3GHz
B=6GHz

DC Power:
1=12VDC
2=24VDC
3=28VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Schematic:



Example: To order a DC-3GHz SPDT switch with 12VDC Power supply, latching,without driver only voltage control not TTL,so the specify :SPDT-A-1-L-M-N-060.

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SPDT LATCHING COAXIAL SWITCH DC-12.4GHz
N-TYPE HIGH POWER

Electrical Characteristic:

Frequency Range (GHz)	VSWR	Isolation (dB)	Insertion Loss (dB)	Power Handing(Watt)	
				Normal	High Power
DC-0.5	<1.05	>90	<0.08	400	1600
0.5-1	<1.1	>85	<0.1	300	1100
1-2	<1.15	>80	<0.15	240	750
2-3	<1.2	>80	<0.2	200	650
3-6	<1.35	>70	<0.4	150	450
6-12.4	<1.6	>60	<0.8	100	--

Specification:

Operating Voltage.....12V, 24V

Switching Time..... 20ms max

Operating Current..... 300mA

Work Temperature.....-45℃～+85℃

Life.....1,000,000 cycles

Control TTL..... TTL High for Loss,Low for Isolation

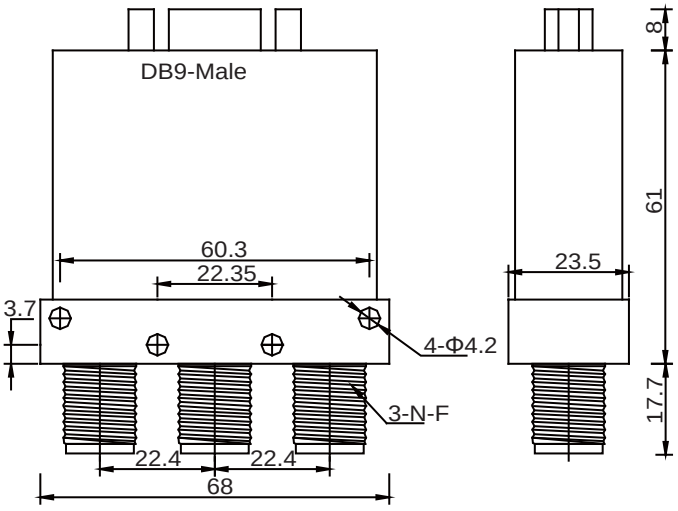
Impedance..... 50Ω

Connector Type.....N-F

Case type(mm)..... 68*61*23.5

Weight.....150g

Case type(mm):



How To Order:

Specify Part Number SPDT - X - X - L - X - N - 124 - X

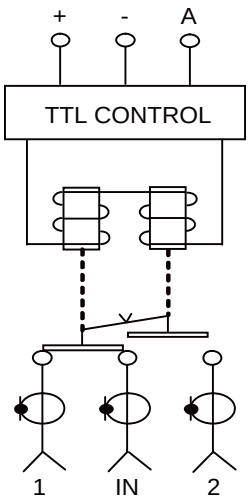
Freq Range:
A=3GHz
B=6GHz
C=12.4GHz

DC Power:
1=12VDC
2=24VDC

Driver:
M=without driver only voltage control not TTL
Blank: with TTL control

Power:
H=High Power Handing
Blank: Normal Power Handing

Schematic:



Example: To order a DC-3GHz SPDT switch with 12VDC Power supply,650Watt, latching,without driver only voltage control not TTL,so the specify :SPDT-A-1-L-M-N-124-H.

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