



RSTM

RSTM SERIES TRANSFER SWITCHES

Renaissance Electronics RSTM family of broadband, DC-20 GHz transfer switches are break before make configuration and are designed to switch two signals, alternatively, to two outputs. These switches offer extremely low insertion loss, minimal VSWR, and very high isolation. The RSTM family of switches are currently available in five operating modes. Designed for high reliability and consistent performance, RSTM Series switches are available in standard and custom configurations.

OPERATING MODES:

- Failsafe
- Failsafe with TTL Logic
- Latching
- Latching with TTL Logic
- Indicators

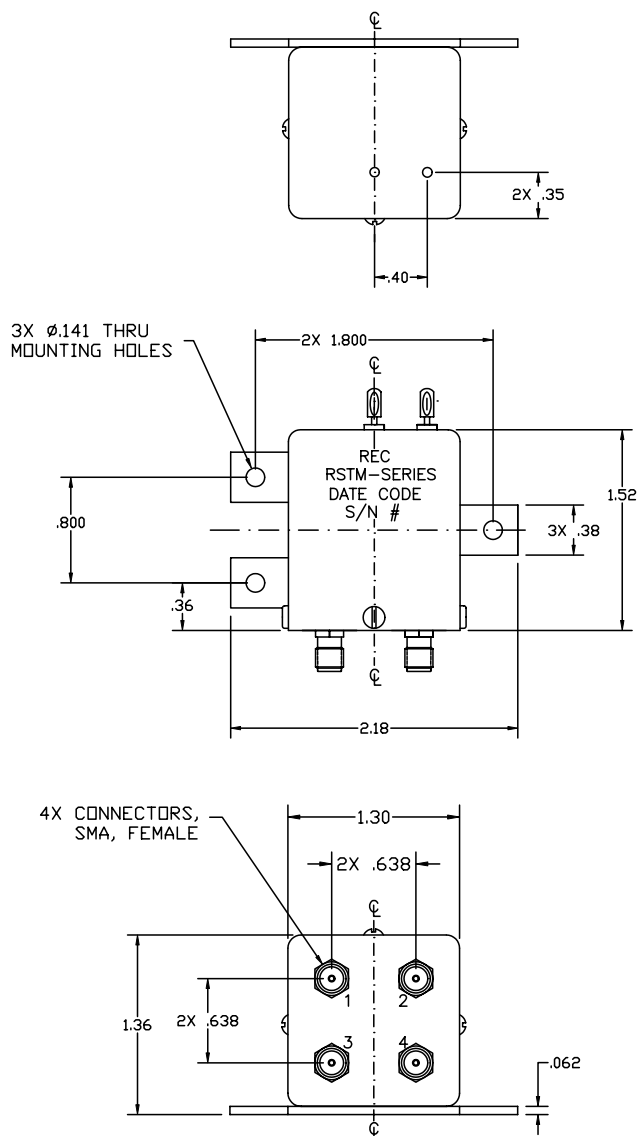
SPECIFICATIONS:

Common Specifications

Switch Type:	Transfer
Frequency Range:	DC – 20.0 GHz
Impedance:	50 ohms
Connectors:	SMA Female
Bias Connection:	Solder Terminals
Switch Time:	20 milliseconds max.
Life:	1,000,000 Cycles min

Operating Environment

Operating Temp:	0 to +70°C, -40 to +85°C ≤ 30% humidity
Storage Temp:	-65 to +125°C
Impedance:	50 ohm



HOW TO ORDER - COAXIAL SWITCHES

MODEL: RS X - X X X - X

CONNECTOR: _____
TM = TRANSFER SMA (F)

THROWS: not applicable
Transfer

CURRENT: _____
A = ALTERNATING (failsafe only)
D = DIRECT

OPTIONS: _____
I = INDICATOR
L = LATCHING
TTL = TTL

VOLTAGE: _____
12
15
21
28

ELECTRICAL CHARACTERISTICS:

Frequency Range GHz	Insertion Loss dB max	Port-to-Port Isolation dB min	VSWR	Switch Speed mSEC	CW RF Power Handling Watts max	DC Supply Volts @ 100mA max
DC-20	≤ 0.2 @ 3 GHz	> 75 @ 3 GHz	> 1.2 @ 3 GHz	≤ 20	≤ 200 @ 3 GHz	+28*
	≤ 0.3 @ 8 GHz	> 70 @ 8 GHz	> 1.3 @ 8 GHz		≤ 70 @ 8 GHz	
	≤ 0.4 @ 12.4 GHz	> 60 @ 12.4 GHz	> 1.4 @ 12.4 GHz		≤ 60 @ 12.4 GHz	
	≤ 0.5 @ 18 GHz	> 60 @ 18 GHz	> 1.5 @ 18 GHz		≤ 50 @ 18 GHz	

*Other voltages available