RSTM SERIES ELECTROMECHANICAL TRANSFER SWITCHES

RSTM

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Renaissance Electronics RSTM family of broadband, DC-18 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 six operating modes. Designed for high reliability and consistent performance, RSTM Series switches are available in standard and custom configurations. Higher frequencies available.

FEATURES:

- Low insertion loss and high isolation: better signal integrity and less crosstalk.
- Long term reliability: reduce your system maintenance cost.
- High power handling capability.
- Excellent repeatability: improve your yield and lower your cost.

OPERATING MODES:

- Failsafe
- Failsafe with TTL logic
- Pulse Latching
- Latching
- Latching with TTL logic
- Indicators

SPECIFICATIONS:

Common Specifications

Switch Type:	Transfer
Frequency Range:	DC – 18 GHz
Impedance:	50 ohms
Connectors:	SMA Female
Bias Connection:	Solder Terminals
Switching Time:	20 milliseconds maximum
Life:	1,000,000 Cycles minimum

Operating Environment

Operating Temperature:	0 to +70°C, -40 to +85°C ≤ 30% humidity
Storage Temperature:	-65° to +125°C

RENAISSANCE ELECTRONICS CORPORATION

RENAISSANCE ELECTRONICS CORPORATION – ISO 9001 CERTIFIED

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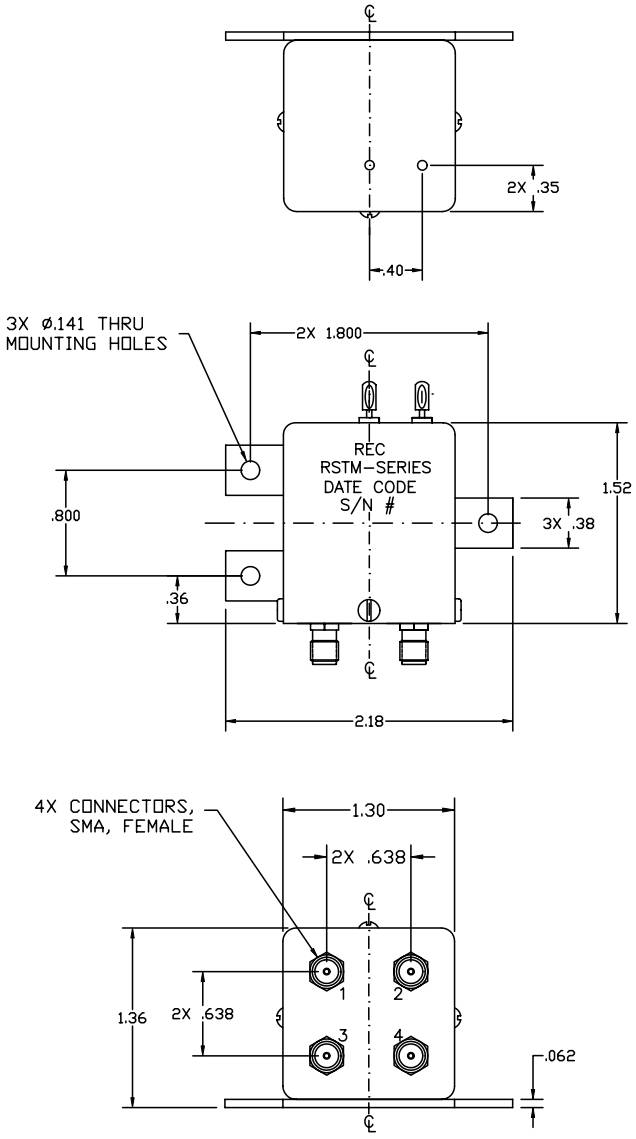

HOW TO ORDER - COAXIAL SWITCHES

RS X - X X - X - X

MODEL:

CONNECTOR:

TM = TRANSFER SMA (F)

THROWS: not applicable

Transfer

CURRENT:

A = ALTERNATING (failsafe only)
D = DIRECT

OPTIONS:

L = LATCHING
TTL = TTL
I = INDICATOR
PL = PULSE LATCHING

VOLTAGE:

12
15
21
28

ELECTRICAL CHARACTERISTICS:

Frequency Range GHz	Insertion Loss dB max	Port-to-Port Isolation dB min	VSWR	Typical Switching Time mS	CW RF Power Handling Watts max	DC Supply Volts @ 175 mA max
DC-3	0.2	75	< 1.2	≤ 20	200	+28*
3-8	0.3	70	< 1.3		70	
8-12	0.4	60	< 1.4		60	
12-18	0.5	60	< 1.5		50	

Other frequencies available

**Other voltages available*

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