

RSTM

Series Transfer Switches

The RSTM Series delivers high reliability and consistent performance. This series is designed to switch two signals, alternatively, to two outputs. Featuring: low insertion loss, minimal VSWR and high isolation.

Product Description:

Micronetics 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. The characteristics of the switch features are that they offer **extremely low insertion loss**, minimal VSWR, and **very high isolation**. The RSTM family of switches are available with the following operating modes:



- ⊖ Failsafe
 - ⊖ Failsafe with TTL logic
 - ⊖ Latching
 - ⊖ Latching with TTL logic
 - ⊖ Indicators

Electrical Characteristics:

FREQUENCY RANGE GHz	INSERTION LOSS dB	ISOLATION dB	VSWR	SWITCH SPEED mSEC	CW RF POWER HANDLING Watts	DC SUPPLY Volts
DC-18	≤0.2@3GHz	>75@3GHz	≤1.2@3GHz	≤20	≤200@3GHz	+28*
	≤0.3@8GHz	>70@8GHz	≤1.3@8GHz		≤70@8GHz	
	≤0.4@8GHz	>60@12.4GHz	≤1.4@12.4GHz		≤60@12.4GHz	*other voltages available
	≤0.5@18GHz	>60@18GHz	≤1.5@18GHz		≤50@18GHz	

Specifications:

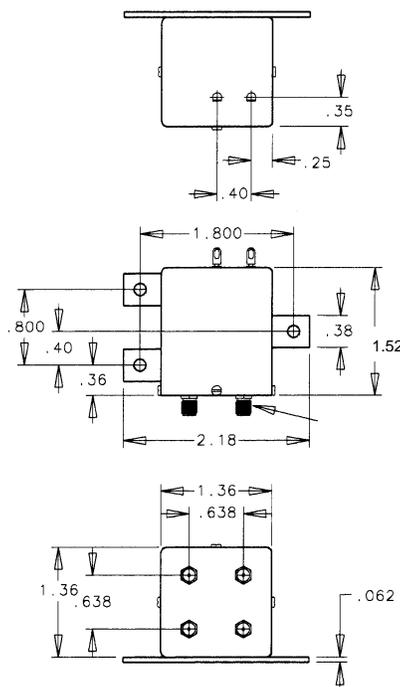
Common Specifications

Switch Type: Transfer
 Frequency Range: DC – 18.0 GHz
 Impedance: 50 ohms
 Connectors: SMA Female
 Bias Connection: Solder Terminals
 Switch Time: 20 mSEC Max.
 Life: 1,000,000 Cycles Min

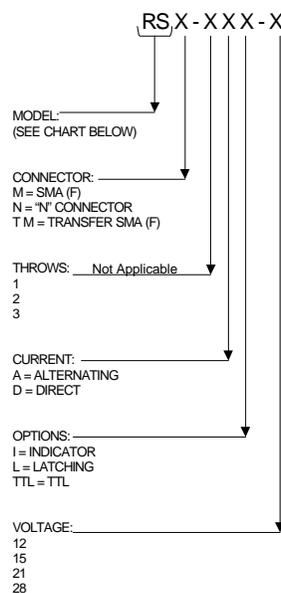
Operating Environment

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

*Shown Right:
 Outline Drawing of
 RSTM Series*



HOW TO ORDER – Coaxial Switches



Micronetics' prides itself on manufacturing the most reliable mechanical switches available today, call us for additional information on our switches, noise sources and test equipment.



