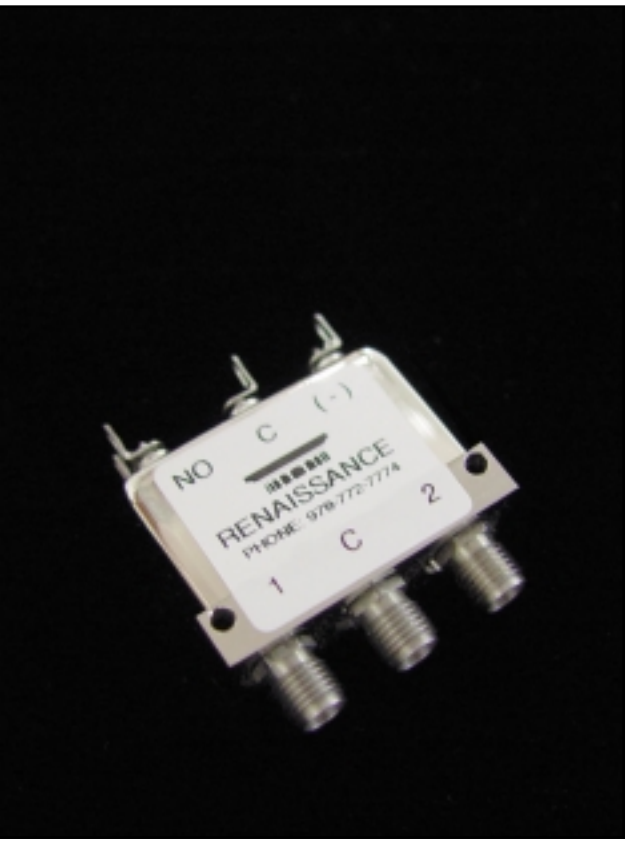
SUB-MINIATURE LATCHING ELECTRO-MECHANICAL SWITCH



SPDT

SPDT SERIES SWITCHES

Renaissance Electronics has developed a SPDT Latching switch with a height reduction of 40%, and less weight over standard models. This switch maintains all the electrical characteristics of our standard model.

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:

- Latching
- Latching TTL
- Pulse Latching

SPECIFICATIONS:

Common Specifications

Switch Type:	Single Pole, Double Throw Position
Frequency Range:	DC – 18 GHz
Impedance:	50 ohms
Connectors:	SMA Female
Bias Connection:	Solder Terminals
Switching Time:	15 milliseconds
Life:	2,000,000 Cycles minimum

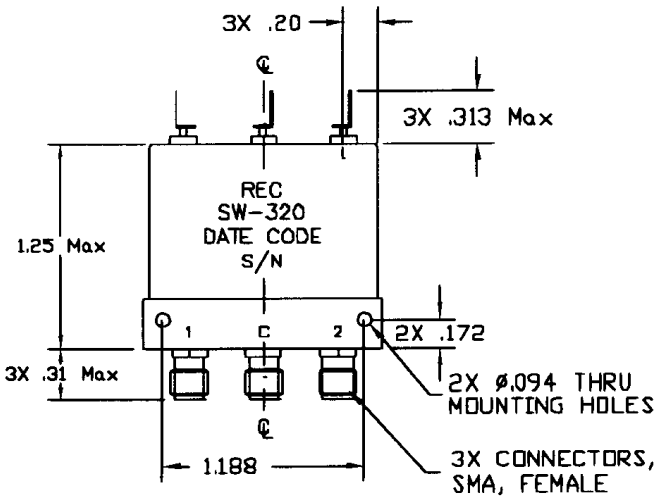
Operating Environment

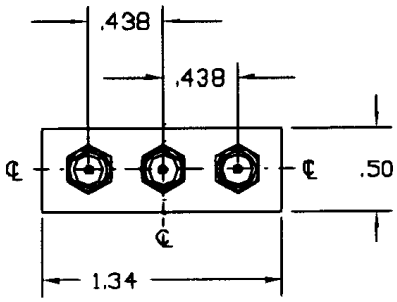
Operating Temperature:	0 to +70°C; -40 to +85°C ≤ 30% humidity
Storage Temperature:	-65 to +125°C

RENAISSANCE ELECTRONICS CORPORATION

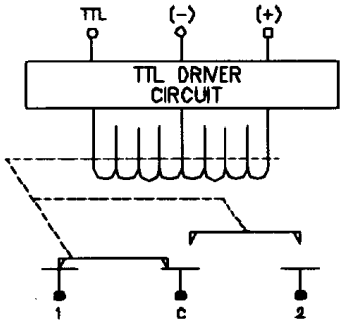
RENAISSANCE ELECTRONICS CORPORATION – ISO 9001 CERTIFIED

Tel: 978 772-7774 Fax: 978 772-7775 www.rec-usa.com sales@rec-usa.com





SCHEMATIC



HOW TO ORDER - COAXIAL SWITCHES

RS S X - X X - X - X

MODEL:

SUB-MINIATURES:

CONNECTOR:
M = SMA (F)

THROWS:
1-2

CURRENT:
D = DIRECT

OPTIONS:
TTL = TTL
L = LATCHING
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
0-3.0	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 GHz	60 @ 12 GHz	< 1.4 @ 12 GHz		60 @ 12 GHz	
	0.5 @ 18 GHz	60 @ 18 GHz	< 1.5 @ 18 GHz		50 @ 18 GHz	

**Other voltages available*

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