

Terminated Multi-Position Coaxial Switches (11 and 12 Position)



RLC Electronics' terminated single pole, 12 throw coaxial switch combines reliability, long life and outstanding electrical performance in a compact package. Available

options include a choice of coil voltages, indicators, and TTL drivers or arc suppression diodes.

ST 1-2-3-4-5

| Switch Type | SP-11T, SP-12T | | | |
|-------------------------|----------------|----------|-----------|-----------|
| Frequency Range | DC-18 GHz | | | |
| | DC-6 GHz | 6-12 GHz | 12-16 GHz | 16-18 GHz |
| Insertion Loss (Max dB) | 0.30 | 0.50 | 0.70 | 1.00 |
| VSWR (Max) | 1.40 | 1.50 | 1.70 | 1.80 |
| Isolation (Min dB) | 50 | 50 | 50 | 50 |

Power Rating, RF Cold Switching:

Thru paths - see power curve for Type C switches
Terminations - 2 watts average

Impedance: 50 ohms

Operating Power: 25 deg C

(Failsafe) 5vdc at 600mA (nominal)
12vdc at 250mA (nominal)
28vdc at 140mA (nominal)

Connectors, RF: SMA female

Connectors, Power: solder terminals

Life: 1,000,000 operations

Switching Time: 25 milliseconds max.

Weight: 17 oz.

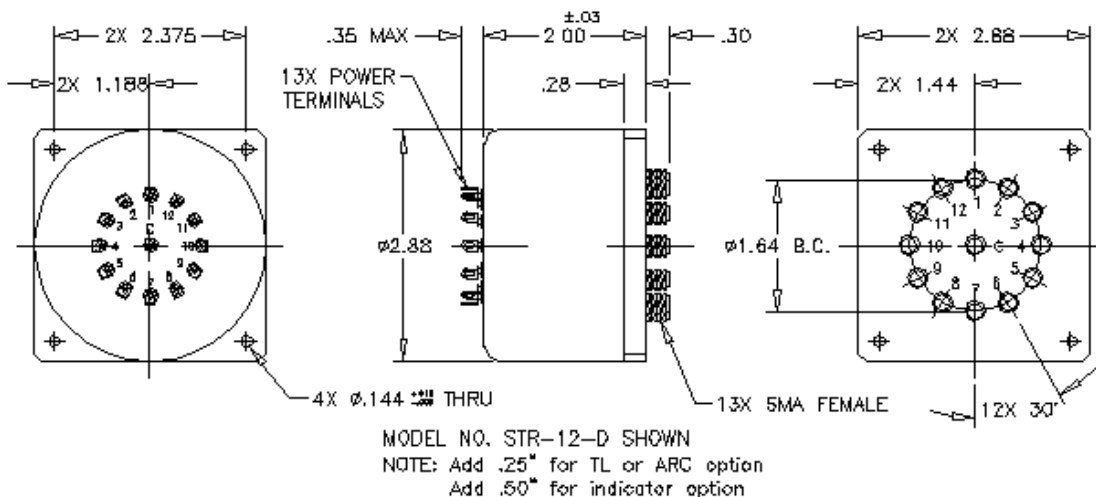
Environmental Conditions: MIL-DTL-3928

Operating Mode: Manual or Failsafe

To designate the switch desired use:

1. 'M' for Manual or 'R' for remote
2. '11' or '12' for the number of positions
3. 'D' for 28vdc, 'H' for 12vdc, 'E' for 5vdc
4. 'I' for indicators, if desired
5. 'TL' for TTL Driver, if desired
'ARC�' for arc suppression diodes, common negative
'ARCP' for arc suppression diodes, common positive
Note: 'TL' automatically comes with suppression diodes

Example: STR-12-D-TL is a remote, 12 position, 28vdc terminated switch with TTL drivers



Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02, xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



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