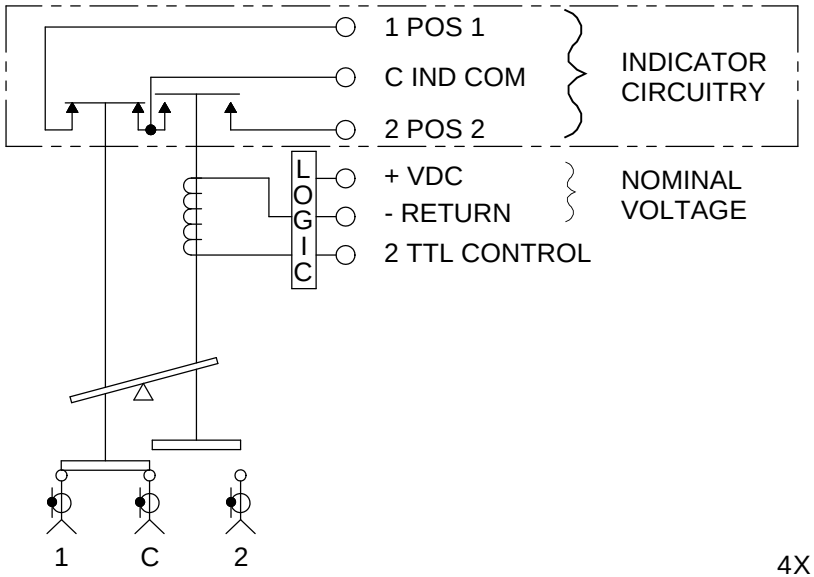
REV. A

# Coaxal Switch - SOTC12GNF Series
# SPDT, TTL, Type "N", Failsafe, 1 Set Indicators

STANDARD - 1 SET INDICATORS  OPTION A - NO INDICATORS




SCHEMATIC DIAGRAM SHOWN IN FAILSAFE POSITION 1

| | | | |
|---|---|---|---|
| Frequency (GHz) | DC to 3 | 3 to 8 | 8 to 12.4 |
| VSWR (Max.) | 1.2:1 | 1.35:1 | 1.5:1 |
| Insertion Loss (Max.) | 0.2 dB | 0.35 dB | 0.5 dB |
| Isolation (Min.) | 80 dB | 70 dB | 60 dB |
| Power (Max.) | 300 WCW | 200 WCW | 150 WCW |

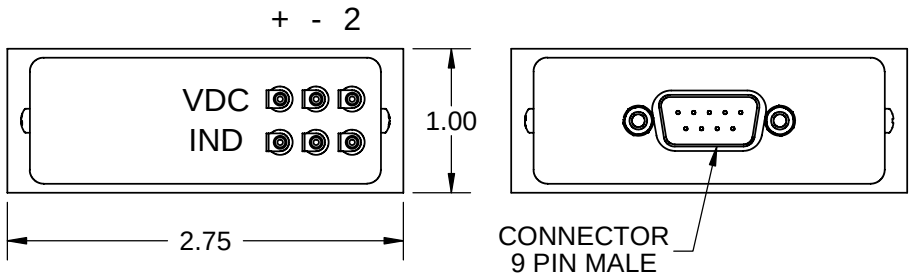
| | |
|---|---|
| RF Impedance: | 50 ohms |
| Voltage: | See Table |
| Current: | See Table |
| TTL Logic: | |
| Voltage High: | 2.4 to 5.5 VDC |
| Current High: | 5 mA max. @ 5 VDC |
| Switching Time: | 20 mS Max. |

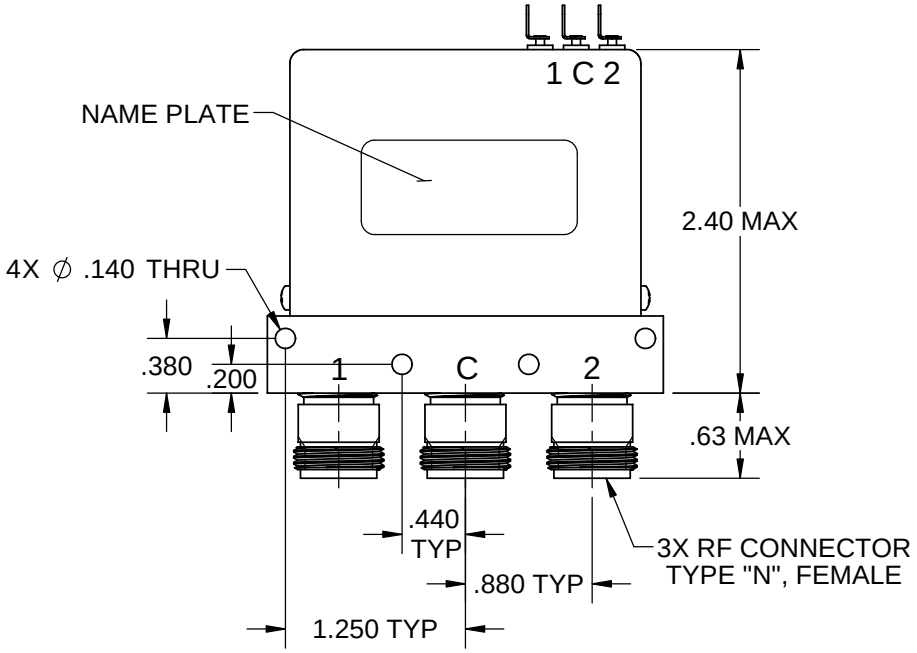
| | |
|---|---|
| Material: | Aluminum (RF Assy) |
| RF Contacts: | Break Before Make |
| Finish: | Iridite per MIL-DTL-5541, Type II Class 3<br>Cover Black |
| Temperature: | Operating 0˚C to +70˚C<br>Non-Operating -40˚C to +100˚C |
| Humidity: | 0 to 95% , No Condensation |

Weatherized Available

RoHS Compliant

OPTION 1 - SOLDER TERMINALS  OPTION 4 - D-SUB




| OPTION | VOLTAGE | CURRENT @ 20º C |
|---|---|---|
| 8 | 11 TO 13 VDC | 300 mA Max @ 12 VDC |
| 9 | 14 TO 16 VDC | 250 mA Max @ 15 VDC |
| 7 | 22 TO 26 VDC | 250 mA Max @ 24 VDC |
| 2 | 26 TO 30 VDC | 280 mA Max @ 28 VDC |

Model # ex. SOTC12GNF [2] [A] [1]

[2] Voltage  [A] Indicators  [1] Interface