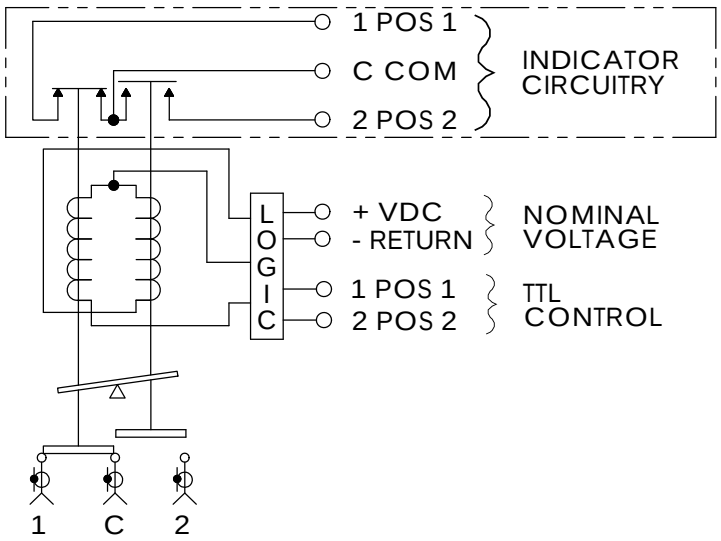
REV. A

Coaxial Switch - SOTC12EMP Series
SPDT, TTL, SMA, Pulse Latching, 1 Set Indicators

STANDARD - 1 SET INDICATORS OPTION A - NO INDICATORS



SCHEMATIC DIAGRAM
SHOWN IN POSITION 1

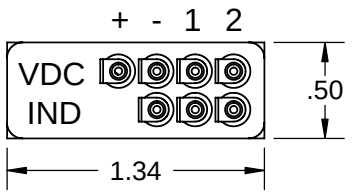
Frequency (GHz):	DC to 3.0	3.0 to 8.0	8.0 to 12.4	12.4 to 18.0
VSWR (Max):	1.2:1	1.3:1	1.4:1	1.5:1
Insertion Loss (Max):	0.2 dB	0.3 dB	0.4 dB	0.5 dB
Isolation (Min):	80 dB Min.	70 dB Min.	60 dB Min.	60 dB Min.
Power (Max):	100 WCW	75 WCW	60 WCW	45 WCW

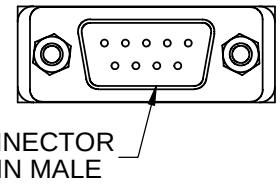
RF Impedance:	50 ohms
Voltage:	See Table
Current:	See Table
TTL Logic:	
Voltage High:	2.4 to 5.5 VDC
Current High:	5 mA max. @ 5 VDC
Switching Time:	20 mS Max.
Pulse Duration:	50 mS Nominal
Material:	Aluminum (RF Assy)
RF Contacts:	Break Before Make
Finish:	Iridite per MIL-DTL-5541, Type II Class 3 Cover Black
Temperature:	Operating: 0˚C to +70˚C Non-Operating: - 40˚C to +100˚C
Humidity:	0 to 95%, No Condensation

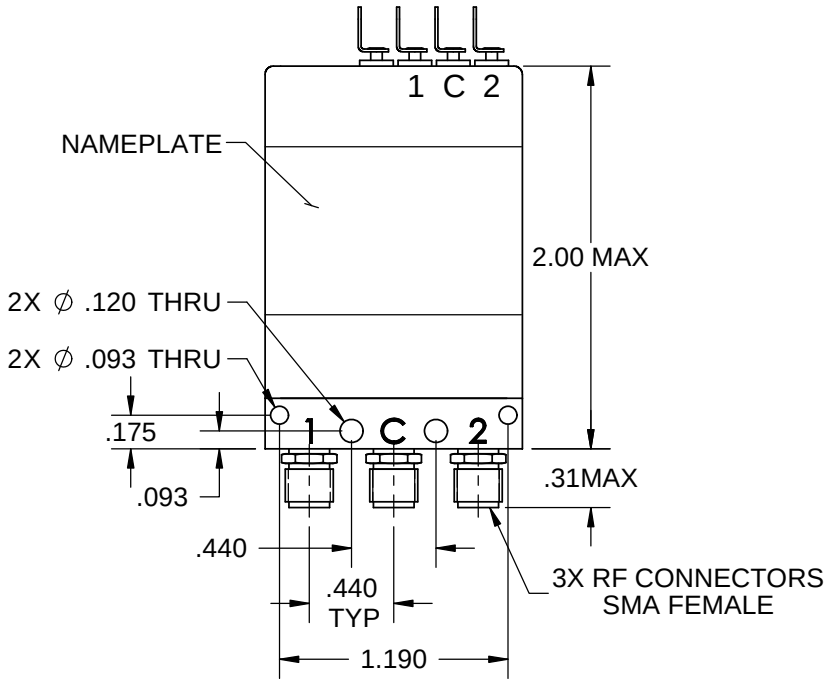
Weatherized Available

RoHS Compliant

OPTION 1 - SOLDER TERMINALS OPTION 4 - D-SUB







OPTION	VOLTAGE	CURRENT @ 20º C
8	10 TO 14 VDC	300 mA Max @ 12 VDC
9	13 TO 18 VDC	200 mA Max @ 15 VDC
7	21 TO 28 VDC	250 mA Max @ 24 VDC
2	25 TO 32 VDC	180 mA Max @ 28 VDC

Model # ex. SOTC12EMP [2] [A] [1]

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