LOGUS MICROWAVE

HIGH POWER COAXIAL SWITCHES, TYPE "N"

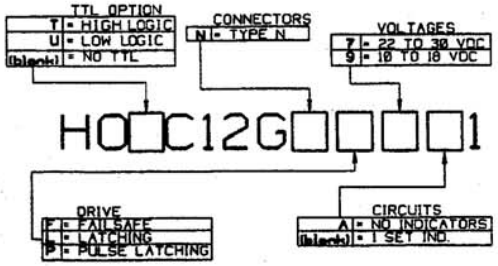
HOC12G SERIES

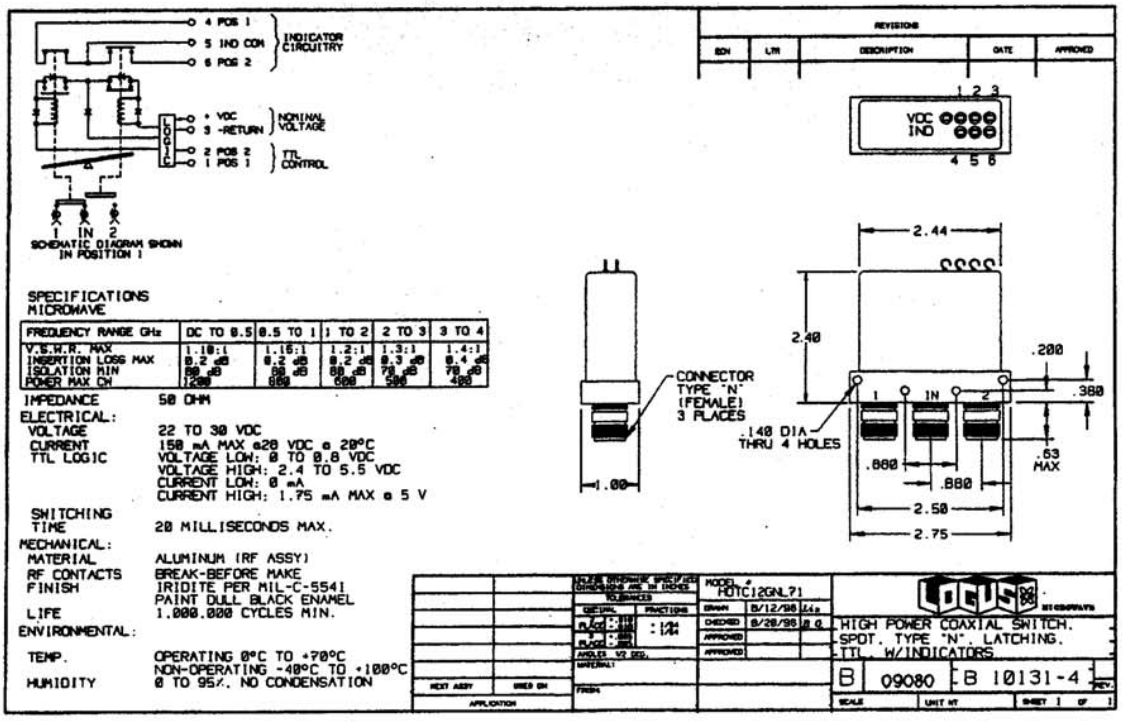
SPDT Relay style DC to 4 GHz family.

The HC12G series offers reliability and performance in SPDT switching utilizing High Power "N" connector styles.

This DC to 4 GHz series covers typical applications in telecommunications, cellular, mobile radio and ATE.

The following pages comprise a variety of sample models commonly used.





SPECIFICATIONS
MICROWAVE

FREQUENCY RANGE GHz	DC TO 0.5	0.5 TO 1	1 TO 2	2 TO 3	3 TO 4
V.S.W.R. MAX	1.10:1	1.15:1	1.2:1	1.3:1	1.4:1
INSERTION LOSS MAX	0.2 dB	0.2 dB	0.2 dB	0.3 dB	0.4 dB
ISOLATION MIN	80 dB	80 dB	80 dB	70 dB	70 dB
POWER MAX CW	1200	800	600	500	400

IMPEDANCE 50 OHM

ELECTRICAL:
- VOLTAGE: 22 TO 30 VDC
- CURRENT: 150 mA MAX @ 28 VDC @ 20°C
- TTL LOGIC: VOLTAGE LOW: 0 TO 0.8 VDC; VOLTAGE HIGH: 2.4 TO 5.5 VDC; CURRENT LOW: 0 mA; CURRENT HIGH: 1.75 mA MAX @ 5 V
- SWITCHING TIME: 20 MILLISECONDS MAX.

MECHANICAL:
- MATERIAL: ALUMINUM (RF ASSY)
- RF CONTACTS: BREAK-BEFORE MAKE
- FINISH: IRIDITE PER MIL-C-5541; PAINT DULL BLACK ENAMEL
- LIFE: 1,000,000 CYCLES MIN.

ENVIRONMENTAL:
- TEMP.: OPERATING 0°C TO +70°C; NON-OPERATING -40°C TO +100°C
- HUMIDITY: 0 TO 95%, NO CONDENSATION

LOCUS MICROWAVE

HIGH POWER COAXIAL SWITCHES, TYPE "N"

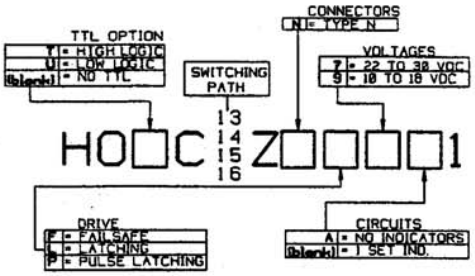
HOC 13 14 15 16 Z SERIES

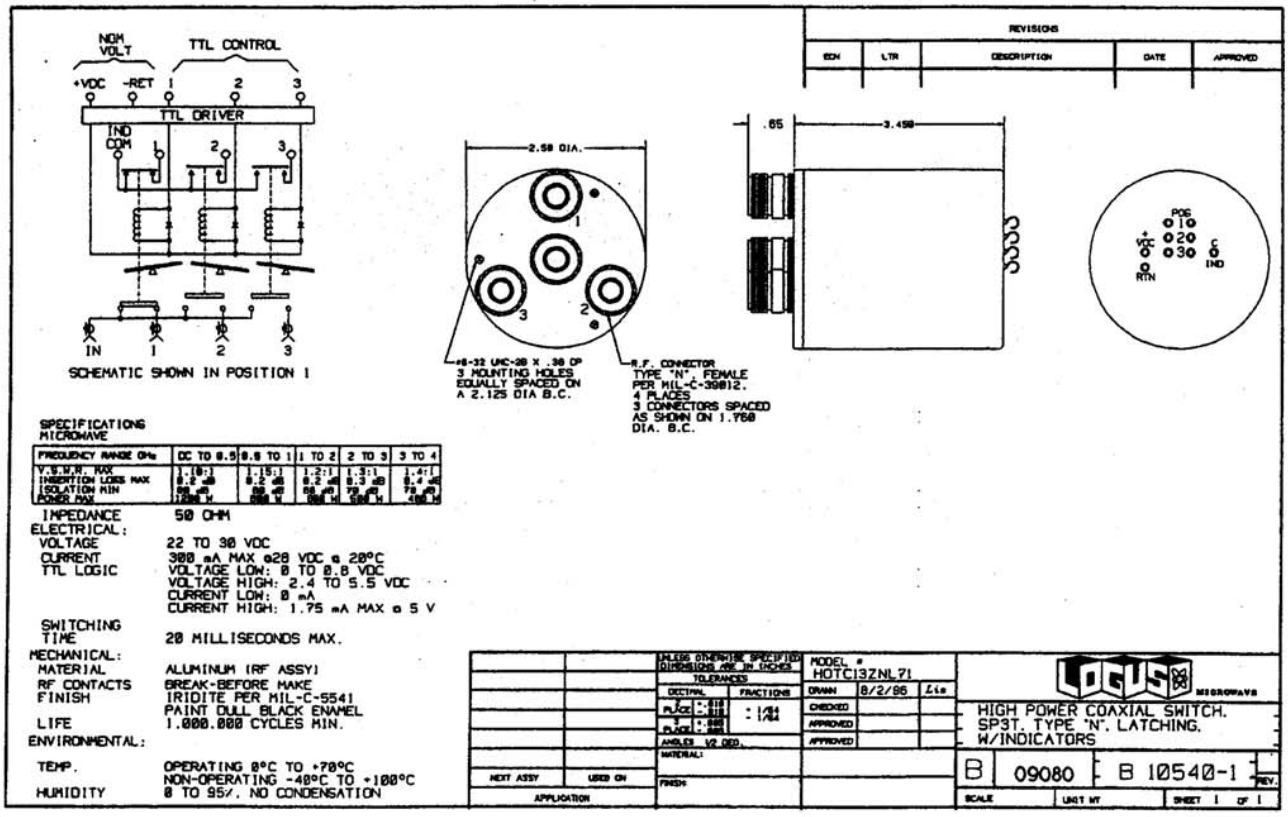
SP3T thru SP6T relay style DC to 4 GHz family.

The HC13Z thru HC16Z series offers reliability and performance in SP3T, SP4T, SP5T, and SP6T switching utilizing High Power N connectors.

This DC to 4 GHz series covers typical applications in Telecommunications, Cellular and ATE.

The following pages comprise a variety of sample models commonly used.





SPECIFICATIONS
MICROWAVE

FREQUENCY RANGE GHz	DC TO 0.5	0.5 TO 1	1 TO 2	2 TO 3	3 TO 4
V.S.W.R. MAX	1.10:1	1.15:1	1.20:1	1.30:1	1.40:1
INSERTION LOSS MAX	0.2 dB	0.2 dB	0.2 dB	0.3 dB	0.4 dB
ISOLATION MIN	90 dB	80 dB	80 dB	70 dB	70 dB
POWER MAX	1200 W	600 W	600 W	500 W	400 W

IMPEDANCE 50 OHM

ELECTRICAL:
- VOLTAGE: 22 TO 30 VDC
- CURRENT: 300 mA MAX @28 VDC @ 20°C
- TTL LOGIC: VOLTAGE LOW: 0 TO 0.8 VDC; VOLTAGE HIGH: 2.4 TO 5.5 VDC; CURRENT LOW: 0 mA; CURRENT HIGH: 1.75 mA MAX @ 5 V
- SWITCHING TIME: 20 MILLISECONDS MAX.

MECHANICAL:
- MATERIAL: ALUMINUM (RF ASSY)
- RF CONTACTS: BREAK-BEFORE MAKE
- FINISH: IRIDITE PER MIL-C-5541; PAINT DULL BLACK ENAMEL
- LIFE: 1,000,000 CYCLES MIN.

ENVIRONMENTAL:
- TEMP.: OPERATING 0°C TO +70°C; NON-OPERATING -40°C TO +100°C
- HUMIDITY: 0 TO 95%, NO CONDENSATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMAL FRACTIONS
2 PLACE ± .010 ± 1/64
3 PLACE ± .005
ANGLES ½° DEC.
MATERIAL
FINISH
NEXT ASSY USED ON
APPLICATION

MODEL # HOTC13ZNL71
DRAWN 8/2/96 LLo
CHECKED
APPROVED
APPROVED

LOCUS MICROWAVE
HIGH POWER COAXIAL SWITCH. SP3T. TYPE "N". LATCHING. W/INDICATORS
B 09080 B 10540-1 REV.
SCALE UNIT MT SHEET 1 OF 1

HOTC13ZNL71