

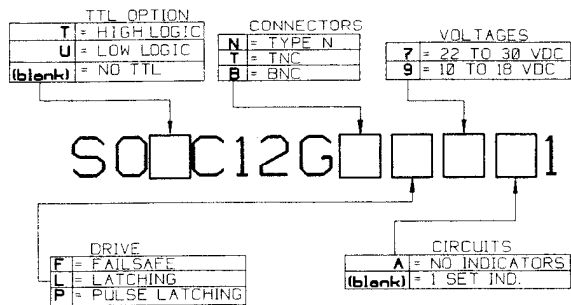
C12G SERIES

SPDT Relay style DC to 12.4 GHz family.

The C12G series offers reliability and performance in SPDT switching utilizing BNC, N, and TNC connector styles.

This DC to 12.4 GHz series covers typical applications in telecommunications, cellular, mobile radio and ATE.

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



4 POS 1 } INDICATOR CIRCUITRY
 5 IND COM }
 6 POS 2 }

+ VDC
 3 -RETURN } NOMINAL VOLTAGE
 2 POS 2 }
 1 POS 1 } TTL CONTROL

1 IN 2
 SCHEMATIC DIAGRAM SHOWN IN POSITION 1

SPECIFICATIONS:
 MICROWAVE

FREQUENCY RANGE GHz	DC TO 3	3 TO 8	8 TO 12.4
V. S. W. R. 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. 100 W CW
 RF IMPEDANCE 50 OHMS

ELECTRICAL:
 VOLTAGE 22 TO 30 VDC
 CURRENT 150 mA MAX @ 28 VDC @ 20°C
 TTL LOGIC VOLTAGE LOW: 0 TO 0.6 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 IRIDIUM 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

REVISIONS				
REV	LTR	DESCRIPTION	DATE	APPROVED

1 2 3
 VDC
 IND
 4 5 6

CONNECTOR TYPE "N" (FEMALE) 3 PLACES

1.00

2.44

2.40

1.40 DIA THRU 4 HOLES

2.500

2.75

200

380

.63 MAX

880

680

TOLERANCES		MODEL #		LOGUS MICROWAVE
DECIMAL	FRACTIONS	DRAWN	CHECKED	
PLACES: .010	: 1/64	7/14/95	ALP	COAXIAL SWITCH, SPDT, TYPE "N", LATCHING, TTL, W/INDICATORS
PLACES: .010	: 1/64	APPROVED		
PLACES: .005	: 1/32	APPROVED		
ANGLES: 12 DEG		APPROVED		
MATERIAL				
NEXT ASSY	USED ON	FINISH		
APPLICATION				

SOTC12GNL71