



MICROWAVE

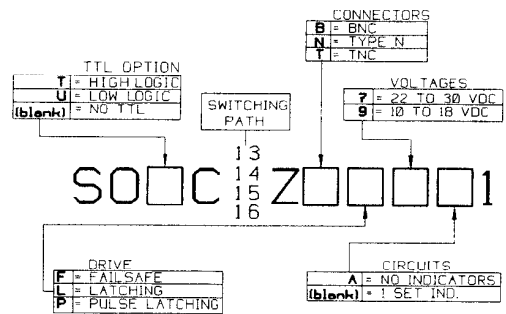
# C<sup>13</sup> C<sup>14</sup> C<sup>15</sup> Z SERIES

16 SP3T thru SP6T relay style DC to 12.4 GHz family.

The C13Z thru C16Z series offers reliability and performance in SP3T, SP4T, SP5T, and SP6T switching utilizing BNC, N, and TNC connectors.

This DC to 12.4 GHz series covers typical applications in Telecommunications, Cellular and ATE.

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



SCHEMATIC SHOWN IN POSITION 1

REVISIONS				
EDN	LTR	DESCRIPTION	DATE	APPROVED

2.50 DIA

#8-32 UNC-2B X .38 DP  
 3 MOUNTING HOLES  
 EQUALLY SPACED ON  
 A 2.125 DIA B.C.

2.875

65

R.F. CONNECTOR  
 TYPE "N", FEMALE  
 PER MIL-C-99012.  
 4 PINS  
 3 CONNECTORS SPACED  
 AS SHOWN ON 1.750  
 DIA. B.C.

**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 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 TRIDITE 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	MODEL # SOTC13ZNL71	
TOLERANCES	DRAWN 8/25/95 L12	
DECIMAL FRACTIONS	CHECKED	COAXIAL SWITCH, TTL, SP3T, TYPE "N", LATCHING, W/INDICATORS
PLATE .010	APPROVED	
PLATE .010	APPROVED	
PLATE .010	APPROVED	
ANGLES 1/2 DEG.	MATERIAL:	
NEXT ASSY	USED ON	
APPLICATION	FINISH:	

B	09080	B 9821-7
SCALE	UNIT WT	SHEET 1 OF 1

SOTC13ZNL71