

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ECN | LTR | DESCRIPTION | DATE | APPROVED |
| | | | | |

SCHEMATIC SHOWN IN NORMALLY OPEN POSITION (DE-ENERGIZED)

RF CONNECTORS
"SMA" FEMALE
PER MIL-C-38012
5 PLACES
4 CONNECTORS SPACED AS SHOWN ON 1.862 DIA B.C.

1/8 X 45° CHAMFER
4 PLACES

.144 DIA THRU
4 HOLES

SPECIFICATIONS:

| FREQUENCY RANGE GHz | DC TO 3 | 3 TO 8 | 8 TO 12.4 | 12.4 TO 18 |
|---------------------|---------|--------|-----------|------------|
| V.S.W.R. 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 | 60 dB | 70 dB | 60 dB | 60 dB |

POWER MAX. 50 CW
RF IMPEDANCE 50 OHMS

ELECTRICAL:
VOLTAGE 22 TO 30 VDC
CURRENT 140 mA MAX @ 28 VDC @ 20°C
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

| | | |
|---|---------------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | MODEL # SOC14KMF7A1 | |
| TOLERANCES | DRAWN 8/16/95 JLS | |
| DECIMAL FRACTIONS | CHECKED | COAXIAL SWITCH, SP4T, FAILSAFE, TYPE "SMA", FAILSAFE, NO IND. |
| PLACES: .010 : 1/64 | APPROVED | |
| PLACES: .005 : 1/64 | APPROVED | |
| PLACES: .002 | APPROVED | |
| ANGLES: 1/2 DEG. | APPROVED | |
| MATERIAL: | | |
| NEXT ASSY USED ON | FRSH: | B 09080 B 9605-4 |
| APPLICATION | | SCALE UNIT WT SHEET 1 OF 1 |

SNC14KMF7A1

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ECN | LTR | DESCRIPTION | DATE | APPROVED |
| | | | | |

SCHEMATIC SHOWN IN POSITION 1

RF CONNECTOR
"SMA" FEMALE
PER MIL-C-38012
7 PLACES
6 CONNECTORS SPACED AS SHOWN ON 1.862 DIA B.C.

1.75 TYP

.144 DIA THRU
4 HOLES

SPECIFICATIONS:

| FREQUENCY RANGE GHz | DC TO 3 | 3 TO 8 | 8 TO 12.4 | 12.4 TO 18 |
|---------------------|---------|--------|-----------|------------|
| V.S.W.R. 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 | 60 dB | 70 dB | 60 dB | 60 dB |

POWER MAX. 50 CW
RF IMPEDANCE 50 OHMS

ELECTRICAL:
VOLTAGE 22 TO 30 VDC
PULSE WIDTH 30 mS MIN; 50 mS MAX
CURRENT 600 mA MAX @ 28 VDC @ 20°C
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

| | | |
|---|----------------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | MODEL # SOC16KMP7A1 | |
| TOLERANCES | DRAWN 8/21/95 JLS | |
| DECIMAL FRACTIONS | CHECKED 8/22/95 N.E. | COAXIAL SWITCH, SP6T, TYPE "SMA", PULSE LATCHING, NO INDICATORS |
| PLACES: .010 : 1/64 | APPROVED | |
| PLACES: .005 : 1/64 | APPROVED | |
| PLACES: .002 | APPROVED | |
| ANGLES: 1/2 DEG. | APPROVED | |
| MATERIAL: | | |
| NEXT ASSY USED ON | FRSH: | B 09080 B 9607-7 |
| APPLICATION | | SCALE UNIT WT SHEET 1 OF 1 |

SNC16KMP7A1