
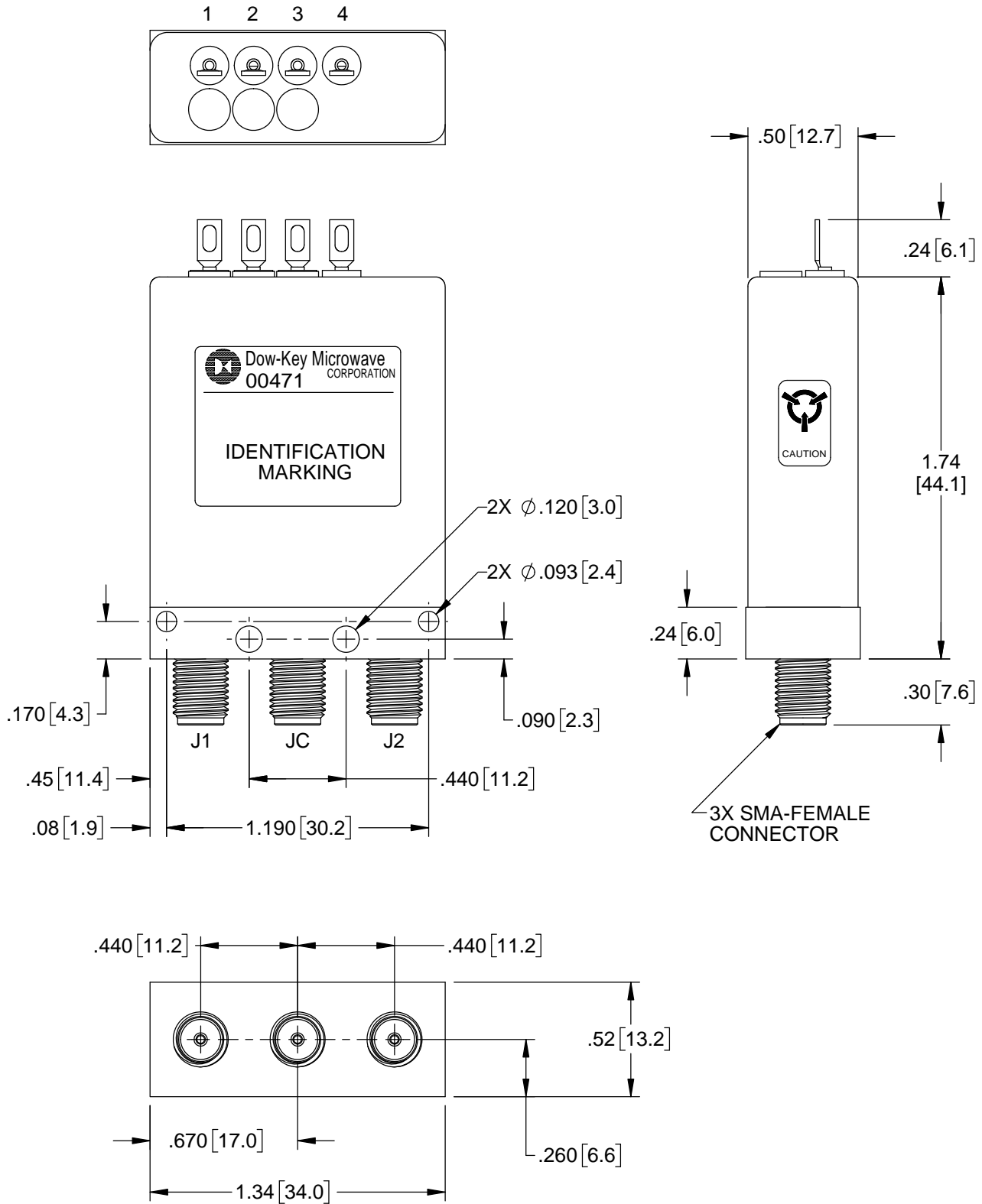


| REVISIONS | | | |
|-----------|----------------------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| F | REVISED AND REDRAWN PER ECO 9723 | 11/11/09 | K.R. |
| G | REVISED PER ECO 11918 | 6/12/18 | K.R. |

| Nominal Coil Voltage | Part Number |
|-------------------------|-------------|
| 6 Vdc | 401-410802A |
| 12 Vdc | 401-420802A |
| 15 Vdc | 401-490802A |
| 24 Vdc | 401-480802A |
| 28 Vdc | 401-430802A |

| | | | |
|----------------|-----------|--|---|
| APPROVALS | DATE |  DowKey[®] Microwave CORPORATION <small>A DOVER TECHNOLOGIES COMPANY</small> | 4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734 |
| DRAWN | | | |
| ENGINEERING | | | |
| QUALITY | | | |
| MANUFACTURING | | | |
| S. LEE | 06/12/18 | SWITCH, SPDT, LATCHING SELF CUT-OFF SMA-FEMALE CONNECTORS 5V CONTROL CIRCUIT | |
| T. STRASBURGER | 6/12/2018 | | |
| S. LYNCH | 6/12/2018 | | |
| R. GARCIA | 6/12/2018 | | |
| | | CODE IDENT. NO. | DWG. NO. |
| | | 00471 | 401-4X0802A |
| | | SCALE NONE | SHEET 1 OF 3 |

OUTLINE DRAWING:



[] MILLIMETERS

| | | | |
|---|---------------------------------|--------------------------------|------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XXX ±.010 ANGLES: ±3° .XX ±.030 | CODE IDENT. NO. 00471 | DWG. NO. 401-4X0802A | REV. G |
| | SCALE NONE | SHEET 2 OF 3 | |

SPECIFICATION:

1.0 RF CHARACTERISTICS:

| | | | | | |
|---|---------|--------|--------|--------|---------|
| 1.1 FREQUENCY (GHz) | DC - 1 | 1 - 4 | 4 - 8 | 8 - 12 | 12 - 18 |
| 1.2 VSWR (RATIO MAX) | 1.10:1 | 1.15:1 | 1.20:1 | 1.30:1 | 1.35:1 |
| 1.3 INSERTION LOSS (dB MAX) | 0.10 | 0.15 | 0.20 | 0.30 | 0.35 |
| 1.4 ISOLATION (dB MIN) | 85 | 80 | 70 | 65 | 60 |
| 1.5 RF POWER (WATTS CW MAX) AT SEA LEVEL, +40°C, LOAD VSWR 1:1 | 225 | 125 | 90 | 75 | 60 |
| 1.6 IMPEDANCE (NOMINAL) | 50 OHMS | | | | |

2.0 ACTUATION DATA:

| 2.1 | NOMINAL VOLTAGE | OPERATING VOLTAGE | CURRENT (NOMINAL) @ NOMINAL VOLTAGE & 25°C |
|-----|-----------------|-------------------|---|
| | 6 | 5-8 | 285mA |
| | 12 | 11-14 | 220mA |
| | 15 | 13-17 | 110mA |
| | 24 | 20-28 | 125mA |
| | 28 | 24-32 | 110mA |

2.2 SWITCHING TIME 15mS MAX
 2.3 OPERATING MODE LATCHING SELF CUT-OFF

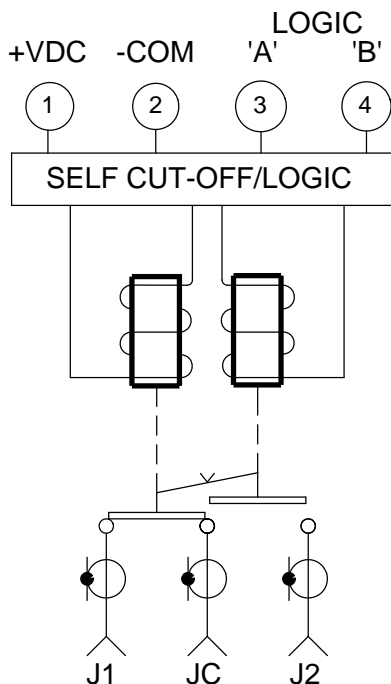
3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT SPDT
 3.2 RF CONTACTS BREAK BEFORE MAKE
 3.3 WEIGHT 1.4oz (40g) NOMINAL
 3.4 DESIGN LIFE 1,000,000 CYCLES MINIMUM

4.0 ENVIRONMENTAL:

4.1 OPERATING TEMPERATURE -25°C TO +65°C
 4.2 STORAGE TEMPERATURE -55°C TO +85°C
 4.3 SEAL: EPOXY SEAL

SCHMATIC:



| RF PATH | LOGIC INPUT 'A' | LOGIC INPUT 'B' |
|---------|-----------------|-----------------|
| JC - J1 | 1 | 0 |
| JC - J2 | 0 | 1 |

LOGIC HI ("1") = 2.4 - 5.5 Vdc
 LOGIC LO ("0") = 0 - 0.8Vdc

| | | |
|---------------------------------|--------------------------------|------------------|
| CODE IDENT. NO. 00471 | DWG. NO. 401-4X0802A | REV. G |
| SCALE NONE | SHEET 3 OF 3 | |