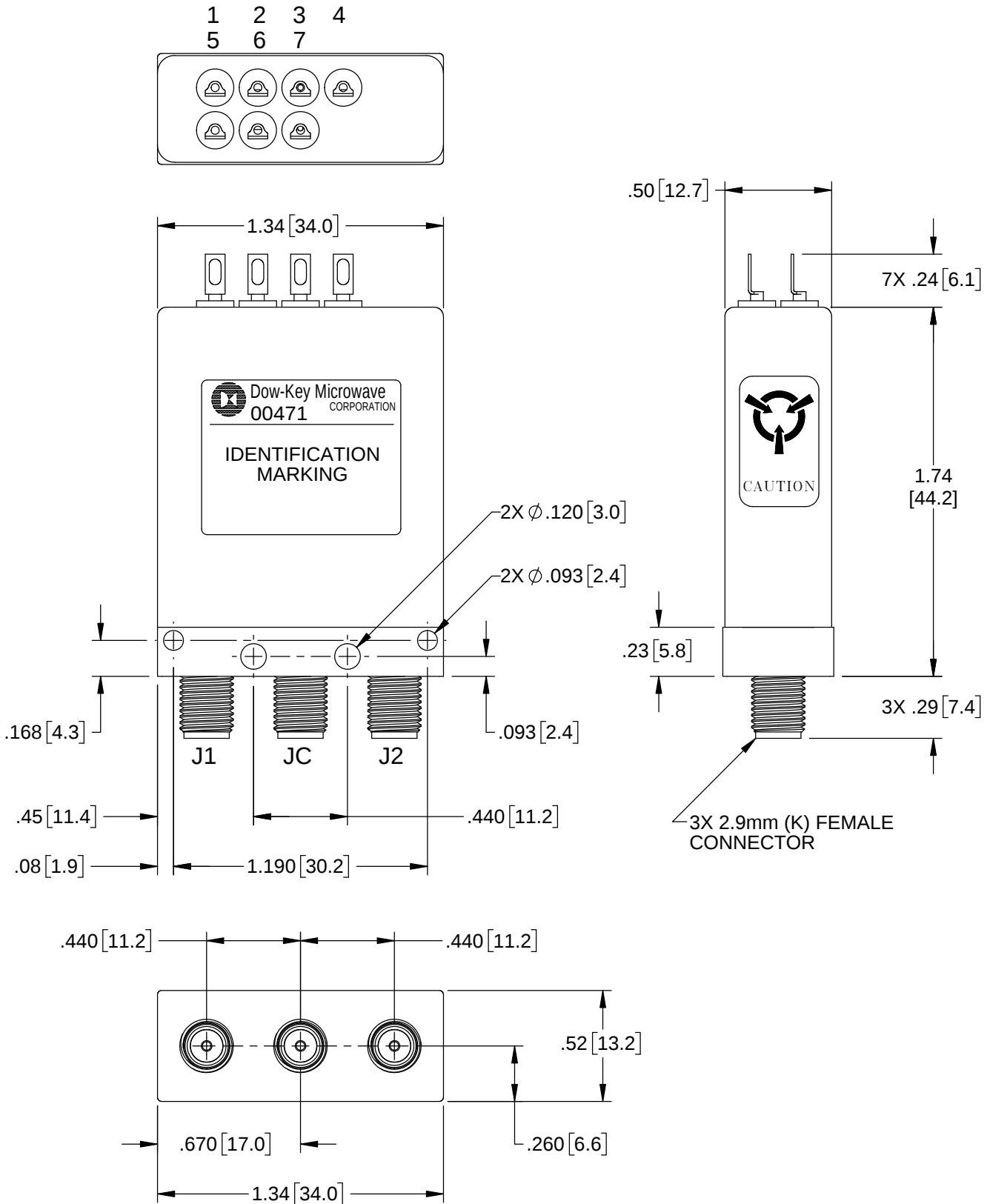


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	02/08/11	K.R.
B	REVISED PER ECO 11884	5/1/18	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	401Y-421132A
15 Vdc	401Y-491132A
24 Vdc	401Y-481132A
28 Vdc	401Y-431132A

APPROVALS		DATE		 DowKey[®] Microwave CORPORATION A JOVEK TECHNOLOGIES COMPANY	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734	
DRAWN					SWITCH, SPDT, LATCHING SELF CUT-OFF 2.9mm (K) FEMALE CONNECTORS, INDICATORS 5V CONTROL CIRCUIT, DC-40 GHz	
SARA LEE		04/24/18				
ENGINEERING						
T. STRASBURGER		4/25/2018				
QUALITY				CODE IDENT. NO.	DWG. NO.	
S. LYNCH		4/26/2018		00471	401Y-4X1132A	
MANUFACTURING				SCALE	NONE	SHEET 1 OF 3
R. GARCIA		4/27/2018				

OUTLINE DRAWING:



[] MILLIMETERS

UNLESS OTHERWISE
SPECIFIED TOLERANCES
ARE:
.XXX $\pm .010$ ANGLES: $\pm 3^\circ$
.XX $\pm .030$

CODE IDENT. NO.
00471

DWG. NO.

401Y-4X1132A

REV.
B

SCALE NONE

SHEET 2 OF 3

SPECIFICATION:

1.0 RF CHARACTERISTICS:

1.1 FREQUENCY (GHz)	DC - 6	6 - 12	12 - 18	18 - 26.5	26.5 - 40
1.2 VSWR (RATIO MAX)	1.30:1	1.40:1	1.50:1	1.70:1	1.95:1
1.3 INSERTION LOSS (dB MAX)	0.30	0.40	0.50	0.70	0.95
1.4 ISOLATION (dB MIN)	80	70	65	60	55
1.5 RF POWER (WATTS CW MAX)	80	60	50	25	10
AT SEA LEVEL, +40°C, LOAD VSWR 1:1					
1.6 IMPEDANCE (NOMINAL)	50 OHMS				

2.0 ACTUATION DATA:

2.1	<table><tr><th>NOMINAL VOLTAGE</th><th>OPERATING VOLTAGE</th><th>CURRENT (NOMINAL) @ NOMINAL VOLTAGE & 25°C</th></tr><tr><td>12</td><td>11-14</td><td>220mA</td></tr><tr><td>15</td><td>13-17</td><td>110mA</td></tr><tr><td>24</td><td>20-28</td><td>125mA</td></tr><tr><td>28</td><td>24-32</td><td>110mA</td></tr></table>	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (NOMINAL) @ NOMINAL VOLTAGE & 25°C	12	11-14	220mA	15	13-17	110mA	24	20-28	125mA	28	24-32	110mA	
NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (NOMINAL) @ NOMINAL VOLTAGE & 25°C															
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																
2.4 LOGIC CURRENT	200uA MAX																

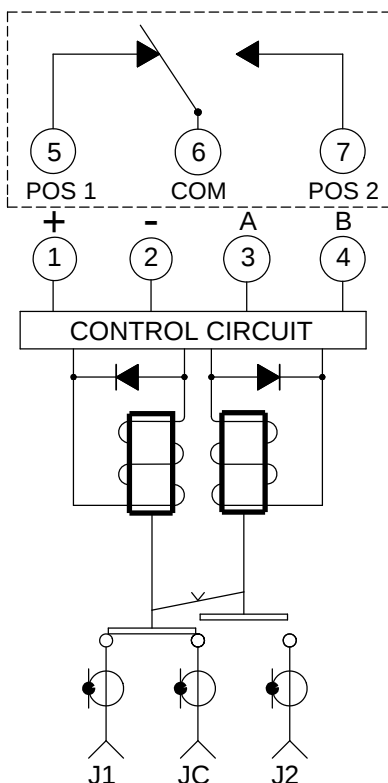
3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT	SPDT
3.2 RF CONTACTS	BREAK BEFORE MAKE
3.3 WEIGHT	1.5oz (43g) 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

SCHEMATIC:



LOGIC TRUTH TABLE			
RF PATH	INDICATOR PATH	LOGIC INPUT "A"	LOGIC INPUT "B"
JC - J1	COM - 1	1	0
JC - J2	COM - 2	0	1

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

CODE IDENT. NO.	DWG. NO.	REV.
00471	401Y-4X1132A	B
SCALE NONE		SHEET 3 OF 3