

Nominal Coil Voltage	Part Number
6 Vdc	401-410832A
12 Vdc	401-420832A
15 Vdc	401-490832A
24 Vdc	401-480832A
28 Vdc	401-430832A



DowKey®
Microwave
CORPORATION

A JOVEE TECHNOLOGIES COMPANY

4822 McGrath Street
Ventura, CA. 93003-5641
PH: (805) 650-0260
FAX: (805) 650-1734

**SWITCH, SPDT, LATCHING SELF CUT-OFF
SMA-FEMALE CONNECTOTS, INDICATORS
5V CONTROL CIRCUIT**

CODE IDENT. NO.

00471

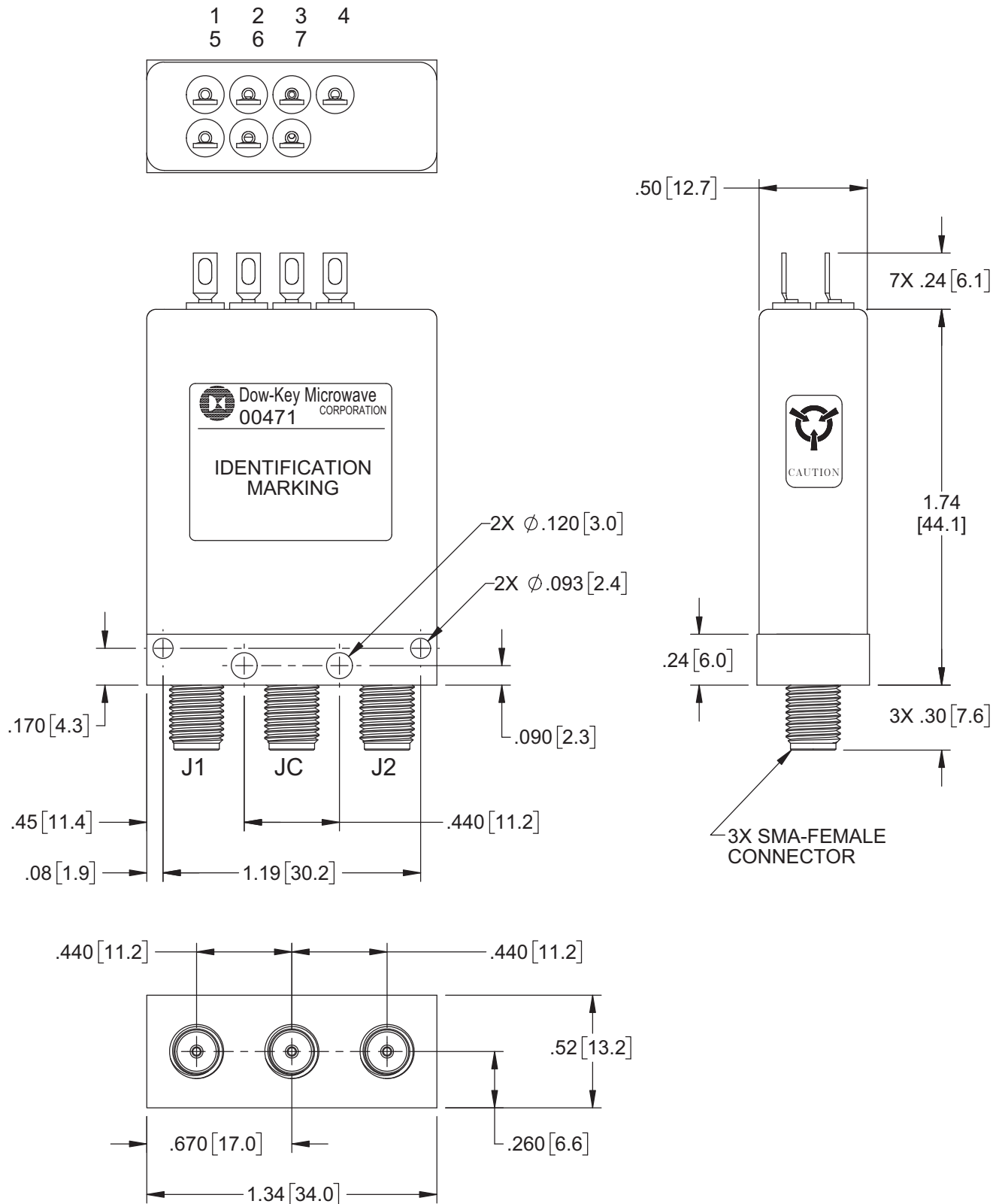
DWG. NO.

401-4X0832A

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.
401-4X0832A

REV.
F

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)	225	125	90	75	60
AT SEA LEVEL, +40°C, LOAD VSWR 1:1					
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

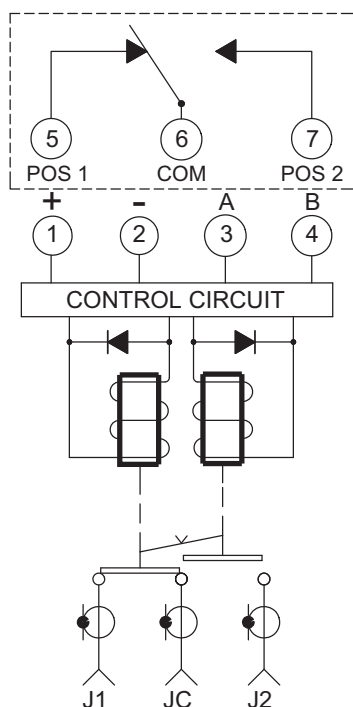
3.0 MECHANICAL:

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

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" = 2.4-5.5Vdc

LOGIC LO "0" = 0-0.8Vdc

SWITCH SHOWN WITH POSITION 1 SELECTED

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00471	401-4X0832A	F
SCALE NONE		SHEET 3 OF 3