

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	9/11/97	J.A.
B	REVISED AND REDRAWN PER ECO #9408	8/19/08	K.R.

Nominal Coil Voltage	Part Number
20.5 Vdc	401-136-001

REVISIONS	B	B	B	B	B	
SHEET NO.	1	2	3	4	5	
APPROVALS			DATE			
DRAWN	S. LEE		8/12/08			
ENG	G. NICKLAUS		8/19/08			
ENG. MGR.	R. SZNUK		8/19/08			
SALES MGR.	J. TRUJILLO		8/19/08			
Q.A. MGR.	R. MATSUMOTO		8/18/08			
MFG. MGR.	R. GONZALEZ		8/18/08			



DowKey®
Microwave
CORPORATION

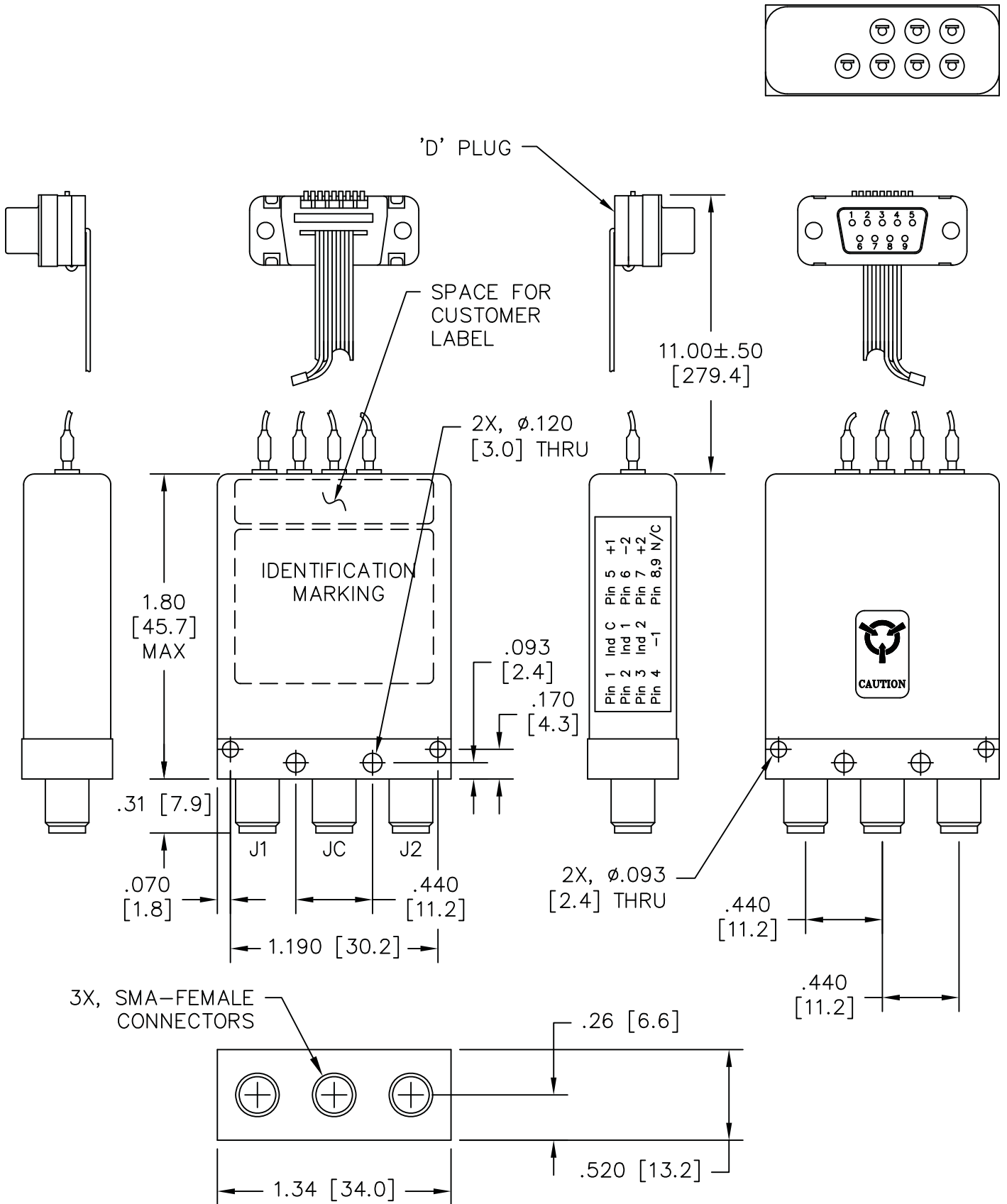
4822 McGrath Street
Ventura, CA. 93003-5641
PH: (805) 650-0260
FAX: (805) 650-1734

A **DOVER** TECHNOLOGIES COMPANY

SWITCH, SPDT LATCHING SELF CUT-OFF,
SMA-FEMALE CONNECTORS, MECH. INDICATORS,
.01 TO 23.8GHZ, D-SUB CONN. CABLE ASSY.

CODE IDENT. NO.	DWG. NO.	SCALE	NONE	FINAL ASSY:	SHEET 1 OF 5
00471	401-136-001				

OUTLINE DRAWING:



[] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
.XXX ±.010 ANGLES: ±3°
.XX ±.030

CODE IDENT. NO.
00471

DWG. NO.
401-136-001

REV.
B

SCALE NONE

SHEET 2 OF 5

SPECIFICATIONS:

1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	0.1–3.0	3.1–8.0	8.1–12.4	12.5–23.8
1.2 VSWR (RATIO MAX):	1.20:1	1.30:1	1.40:1	1.50:1
1.3 INSERTION LOSS (dB MAX):	.20	.30	.40	.50
1.4 ISOLATION (dB MIN):	75	70	60	60
1.5 RF POWER (WATTS CW MAX):	100	50	35	25
1.6 IMPEDANCE (NOMINAL):	50 OHMS			

2. ACTUATION DATA:

2.1 OPERATING VOLTAGE:	18–20.5Vdc (20.5Vdc NOMINAL)
2.2 OPERATING CURRENT:	250mA TYP @ 20.5Vdc & 20°C
2.3 SWITCHING TIME:	20mS MAX
2.4 OPERATING MODE:	LATCHING SELF CUT-OFF

3. MECHANICAL:

3.1 CONTACT ARRANGEMENT:	SPDT
3.2 RF CONTACTS:	BREAK BEFORE MAKE
3.3 WEIGHT:	2.0oz. (56.7g.) NOMINAL
3.4 DESIGN LIFE:	1,000,000 CYCLES MIN

4. ENVIRONMENTAL:

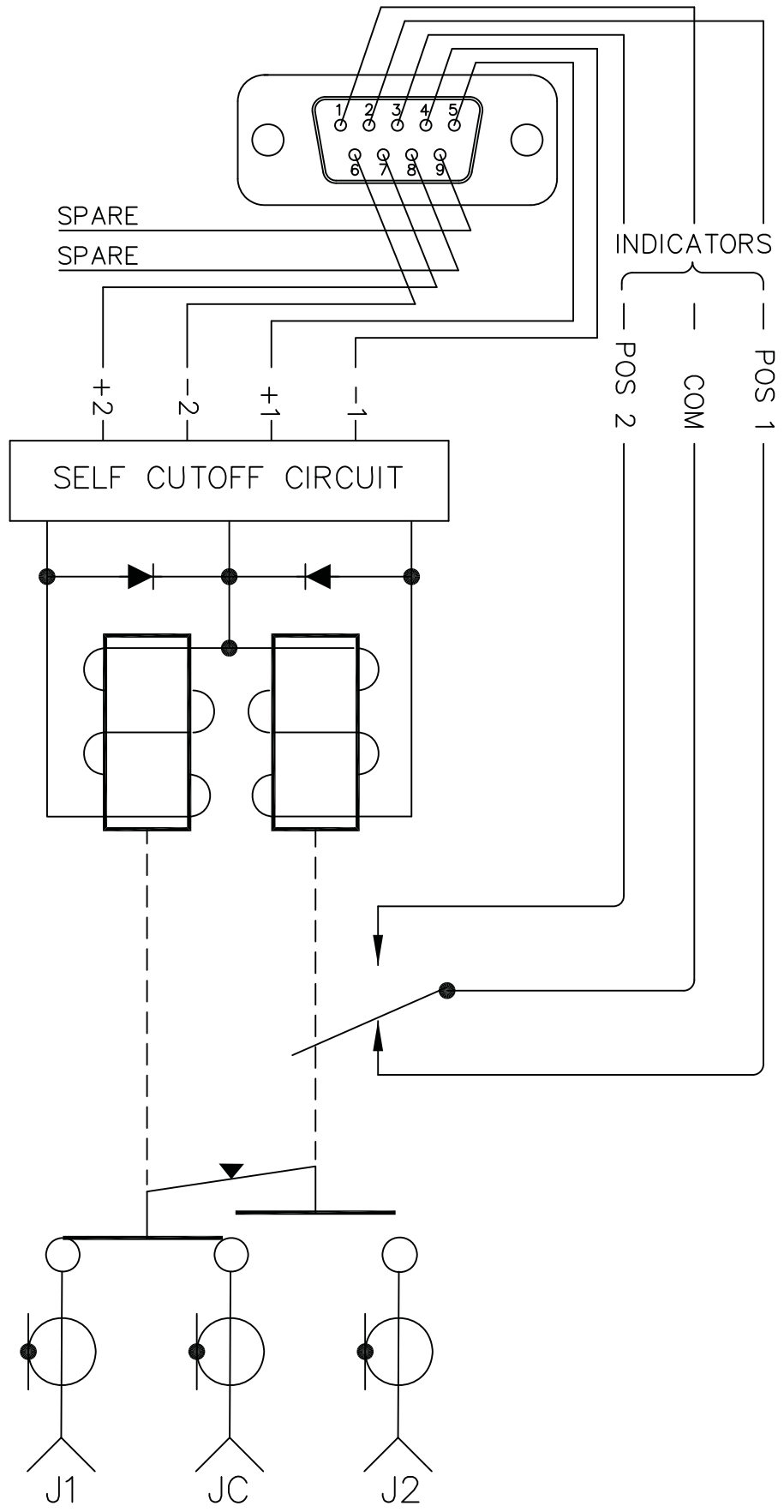
4.1 OPERATING TEMPERATURE:	–35°C TO +85°C
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5. MATERIALS AND FINISHES:

5.1 RF CAVITY:	ALUMINUM, ELECTROLESS NICKEL
5.2 ENCLOSURE:	ALUMINUM, ELECTROLESS NICKEL
5.3 RF CONNECTOR SHELLS:	CRES, PASSIVATE

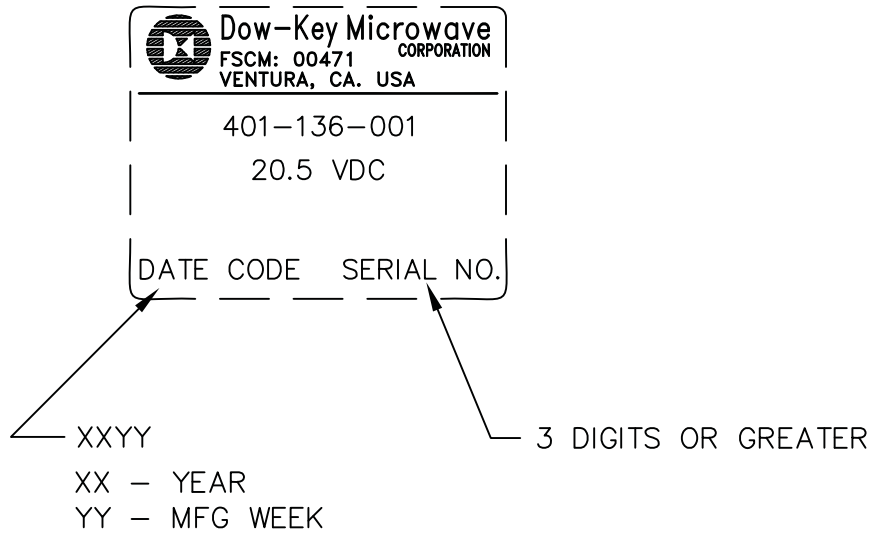
CODE IDENT. NO.	DWG. NO.	REV.
00471	401–136–001	B
SCALE NONE		SHEET 3 OF 5

SCHEMATIC:



CODE IDENT. NO. 00471	DWG. NO. 401-136-001	REV. B
SCALE NONE	SHEET 4 OF 5	

IDENTIFICATION MARKING:



NOTE: ALL WORDS, LETTERS, NUMBERS AND SYMBOLS
 SHALL BE LOCATED APPROXIMATELY AS SHOWN.

CODE IDENT. NO. 00471	DWG. NO. 401-136-001	REV. B
SCALE NONE	SHEET 5 OF 5	