REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
J	REVISED PER ECO 8270	3/28/06	J.S.
K	REVISED AND REDRAWN PER ECO 11487	6/6/16	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	401-2208
15 Vdc	401-2908
20 Vdc	401-2708
24 Vdc	401-2808
28 Vdc	401-2308

REVISIONS	K	K	K			
SHEET NO.	1	2	3			

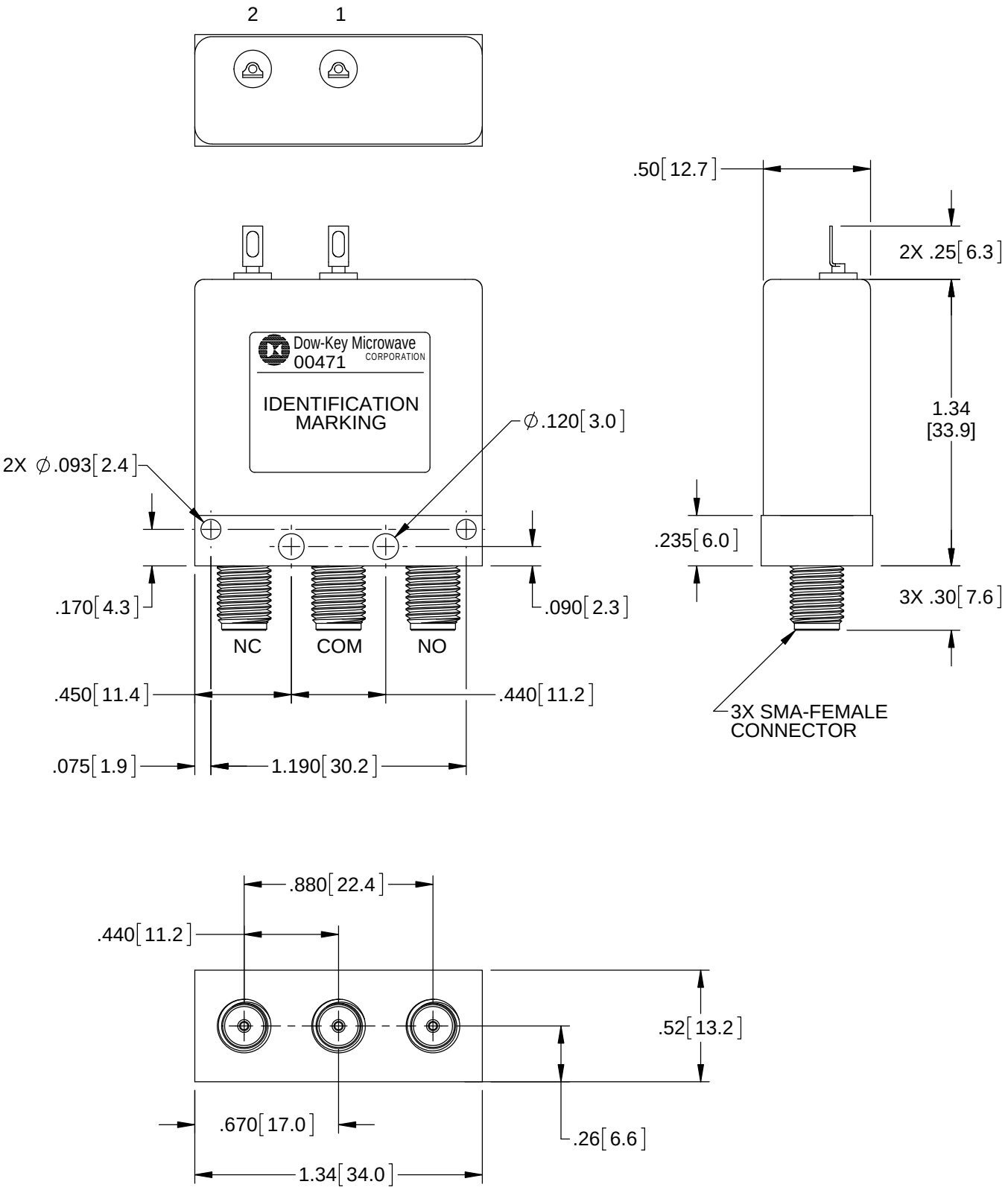
APPROVALS	DATE
DRAWN SARA LEE	05/24/16
ENGINEERING G. NICKLAUS	6/2/2016
QUALITY S. LYNCH	6/2/2016
MANUFACTURING J. LEE	6/6/2016

DowKey ® Microwave CORPORATION
A DOVER TECHNOLOGIES COMPANY
4822 McGrath Street
Ventura, CA. 93003-5641
PH: (805) 650-0260
FAX: (805) 650-1734

SWITCH, SPDT, FAILSAFE SMA-FEMALE CONNECTORS

CODE IDENT. NO.	DWG. NO.		
00471	401-2X08		
SCALE NONE	FINAL ASSY: 401-2308	SHEET 1 OF 3	

OUTLINE DRAWING:



[ ] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XXX ±.010 ANGLES: ±3° .XX ±.030	CODE IDENT. NO. 00471	DWG. NO. 401-2X08	REV. K
	SCALE NONE	FINAL ASSY: 401-2308	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, +25˚C, LOAD VSWR 1:1	200	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
12	11-14	185mA
15	13-17	160mA
20	17-23	140mA
24	20-28	120mA
28	24-32	90mA

2.2 SWITCHING TIME — 15mS MAX

2.3 OPERATING MODE — FAILSAFE

3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT — SPDT

3.2 RF CONTACTS — BREAK BEFORE MAKE

3.3 WEIGHT — 1.2oz (34g) NOMINAL

3.4 DESIGN LIFE — 1,000,000 CYCLES MINIMUM

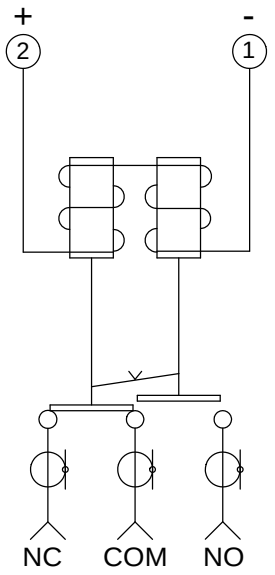
4.0 ENVIRONMENTAL:

4.1 OPERATING TEMPERATURE — -25˚C TO +65˚C

4.2 STORAGE TEMPERATURE — -55˚C TO +85˚C

4.3 SEAL: — EPOXY SEAL

SCHEMATIC:



SWITCH SHOWN IN THE DE-ENERGIZED POSITION

CODE IDENT. NO.	DWG. NO.	REV.
00471	401-2X08	K
SCALE NONE	FINAL ASSY: 401-2308	SHEET 3 OF 3