

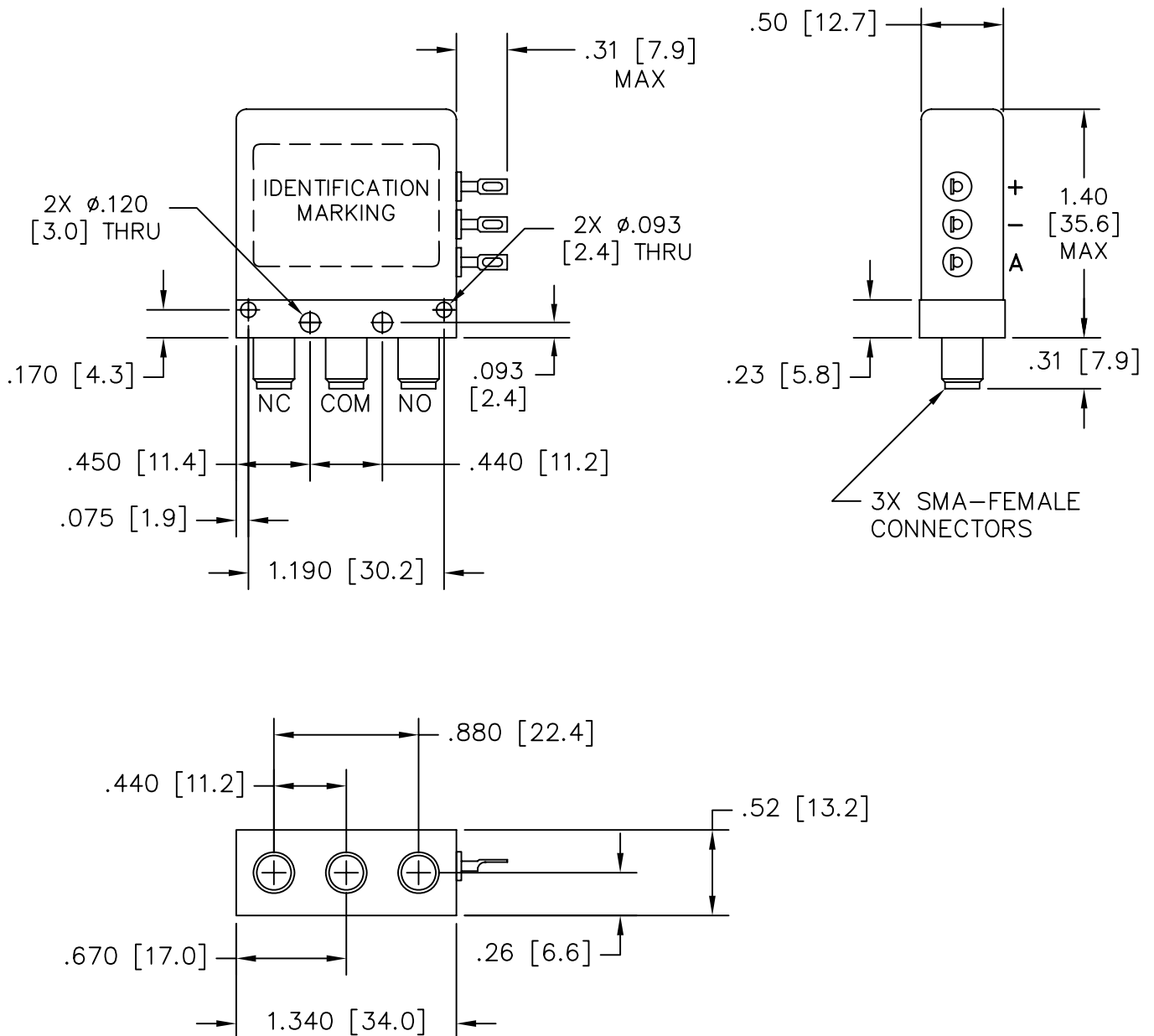
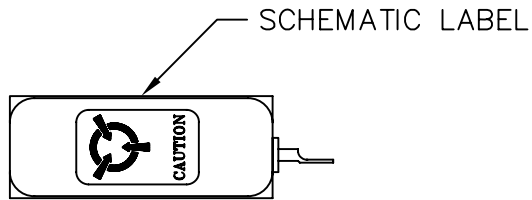


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REVISED AND REDRAWN	2/12/98	J.A.
C	REVISED PER ECO #5199	7/16/98	J.A.
D	REVISED PER ECO #8532	8/31/06	A.L.

Nominal Coil Voltage	Part Number
12 Vdc	403-220802A
15 Vdc	403-290802A
20 Vdc	403-270802A
24 Vdc	403-280802A
28 Vdc	403-230802A

REVISIONS	D	D	D				 DowKey® Microwave CORPORATION	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
SHEET NO.	1	2	3					
APPROVALS			DATE				 SWITCH, SPDT, FAILSAFE, SMA-FEMALE CONNECTORS, TTL-HI CONTROL	
DRAWN S. LEE			7/11/06					
ENG G. NICKLAUS			7/11/06					
ENG. MGR. S. LEE			8/31/06					
SALES MGR. J. TRUJILLO			8/31/06					
Q.A. MGR. N. SANDERS			8/31/06					
MFG. MGR. R. GONZALEZ			8/31/06				CODE IDENT. NO. 00471	DWG. NO. 403-2X0802A
SCALE NONE			FINAL ASSY:				SHEET 1 OF 3	

OUTLINE DRAWING:



[] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XXX \pm .010 ANGLES: \pm 3' .XX \pm .030	CODE IDENT. NO. 00471	DWG. NO. 403-2X0802A	REV. D
	SCALE NONE	SHEET 2 OF 3	

SPECIFICATIONS:

1. 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):	100	50	35	25	10

2. ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ 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, TTL-HI CONTROL

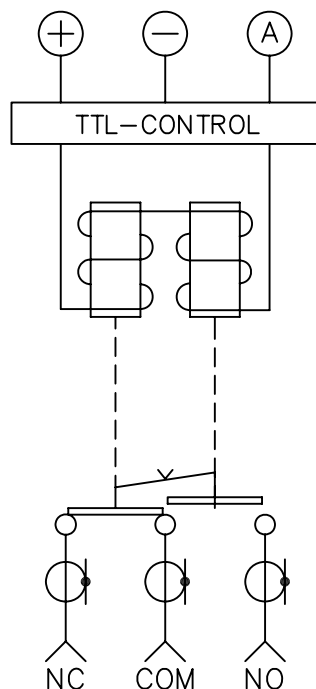
3. MECHANICAL:

- 3.1 RF CONTACTS: BREAK BEFORE MAKE
 3.2 WEIGHT: 1.5oz. (43g.) NOMINAL
 3.3 DESIGN LIFE: 1,000,000 CYCLES MIN

4. ENVIRONMENTAL:

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

SCHEMATIC:



LOGIC TRUTH TABLE	
RF PATH	LOGIC INPUT "A"
NC-COM	0
NO-COM	1

"0" = 0.0V-0.8V
 "1" = 2.4V-5.5V

SHOWN IN THE DE-ENERGIZED
 FAILSAFE POSITION

CODE IDENT. NO. 00471	DWG. NO. 403-2X0802A	REV. D
SCALE NONE	SHEET 3 OF 3	