
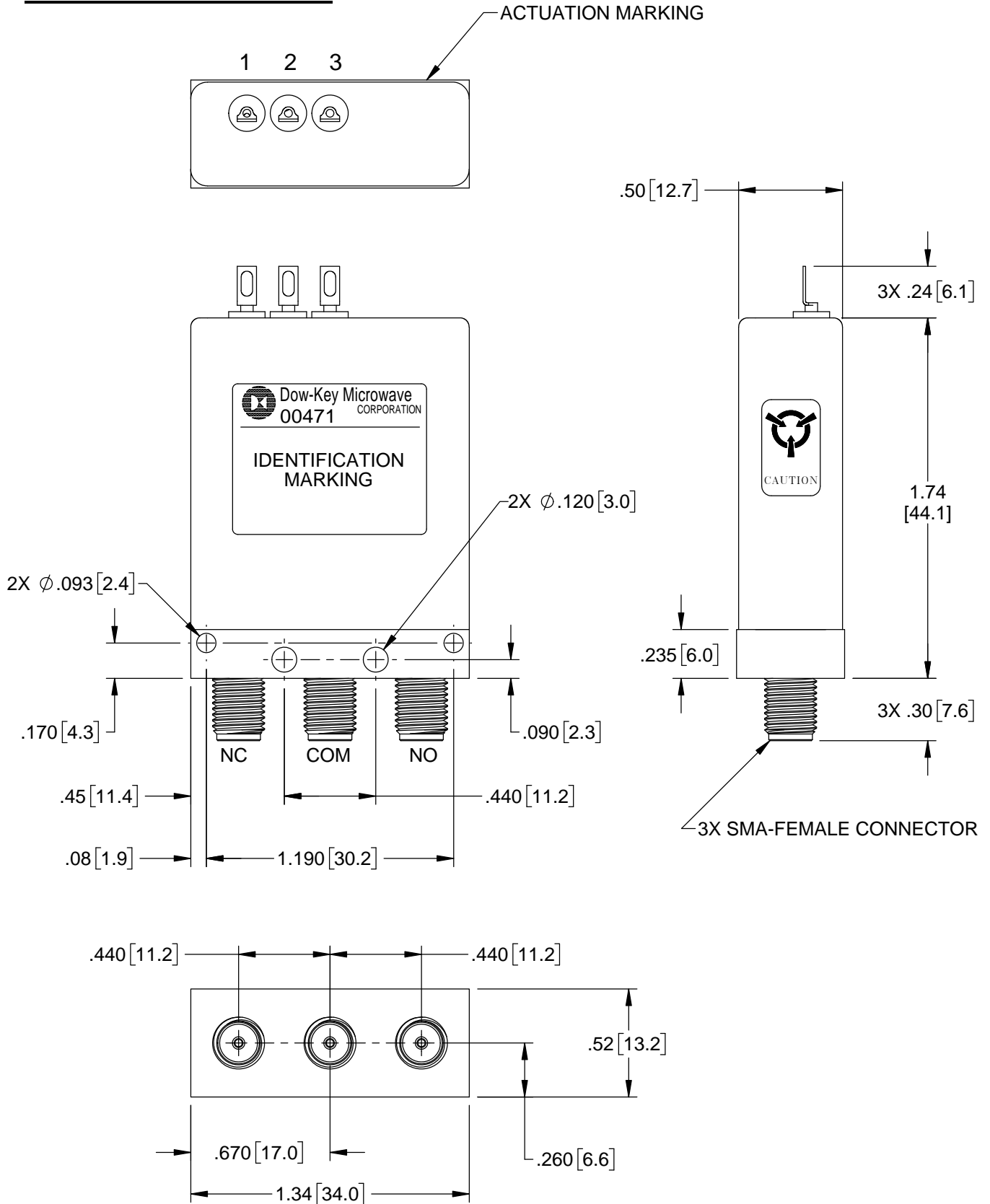


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REVISED PER ECO 9762	12/16/09	K.R.
C	REVISED PER ECO 11870	4/18/18	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	401T-220802A
15 Vdc	401T-290802A
24 Vdc	401T-280802A
28 Vdc	401T-230802A

APPROVALS	DATE	 DowKey[®] Microwave CORPORATION <small>A DOVER TECHNOLOGIES COMPANY</small>		4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
DRAWN SARA LEE	04/16/18	SWITCH, SPDT, FAILSAFE, 5V CONTROL SMA-FEMALE CONNECTORS, EXTENDED TEMP, 5 MIL CYCLES		
ENGINEERING T. STRASBURGER	4/16/2018			
QUALITY S. LYNCH	4/17/2018	CODE IDENT. NO. 00471	DWG. NO. 401T-2X0802A	
MANUFACTURING R. GARCIA	4/17/2018	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. 401T-2X0802A	REV. C
	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) AT SEA LEVEL, +40°C, LOAD VSWR 1:1	225	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
	24	20-28	120mA
	28	24-32	90mA

2.2 SWITCHING TIME 15mS MAX
2.3 OPERATING MODE FAILSAFE

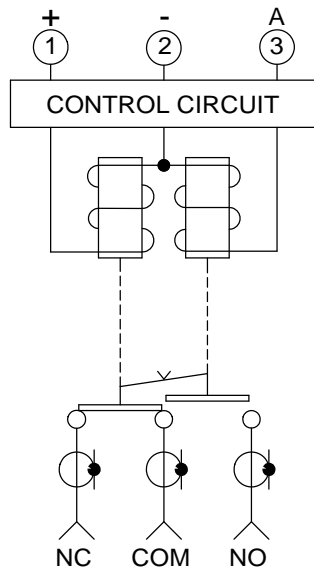
3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT SPDT
3.2 RF CONTACTS BREAK BEFORE MAKE
3.3 WEIGHT 1.4oz (40g) NOMINAL
3.4 DESIGN LIFE 1,000,000 CYCLES MINIMUM

4.0 ENVIRONMENTAL:

4.1 OPERATING TEMPERATURE -55°C TO +85°C
4.2 STORAGE TEMPERATURE -55°C TO +85°C
4.3 SEAL: EPOXY SEAL

SCHEMATIC:



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

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

SWITCH SHOWN IN THE DE-ENERGIZED POSITION

CODE IDENT. NO. 00471	DWG. NO. 401T-2X0802A	REV. C
SCALE NONE	SHEET 3 OF 3	