
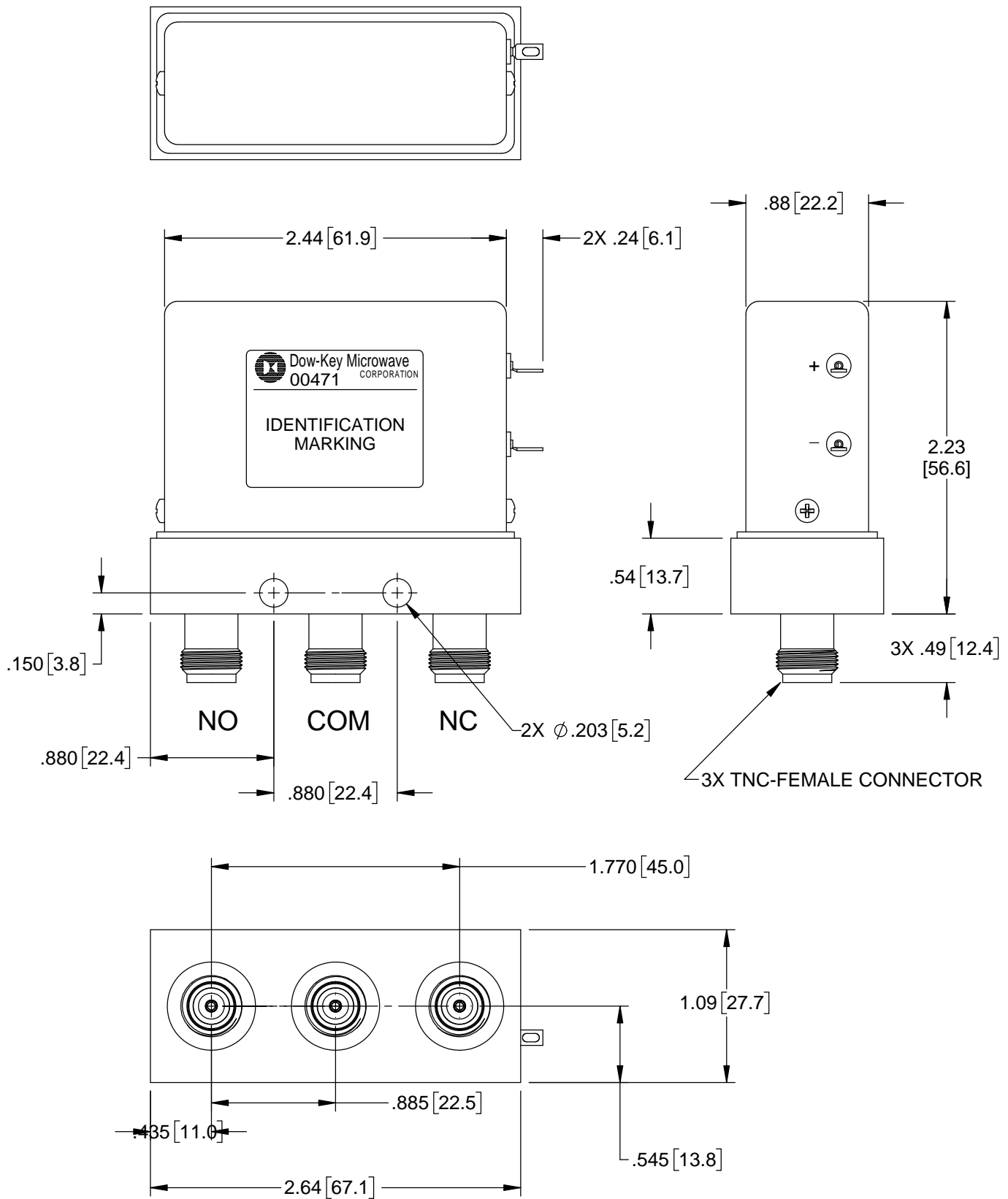


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REVISED PER ECO 9755	12/8/09	M.R.
C	REVISED PER ECO 12320	12/4/19	S.L.

Nominal Coil Voltage	Part Number
12 Vdc	402-2203
15 Vdc	402-2903
24 Vdc	402-2803
28 Vdc	402-2303

APPROVALS	DATE	 <b>DowKey<sup>®</sup> Microwave CORPORATION</b> <small>A DOVER TECHNOLOGIES COMPANY</small>	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734	
	DRAWN			<b>SWITCH, SPDT, FAILSAFE TNC-FEMALE CONNECTORS</b>
	11/25/19		CODE IDENT. NO.	
ENGINEERING	11/25/2019		<b>00471</b>	<b>402-2X03</b>
QUALITY	11/26/2019		SCALE	NONE
MANUFACTURING	11/26/2019		SHEET 1 OF 3	

# OUTLINE DRAWING:



[ ] MILLIMETERS

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

CODE IDENT. NO.  
**00471**

DWG. NO.  
**402-2X03**

REV.  
**C**

SCALE NONE

SHEET 2 OF 3

# SPECIFICATION:

## 1.0 RF CHARACTERISTICS:

1.1 FREQUENCY (GHz)	DC - 1	1 - 2	2 - 4	4 - 8	8 - 12.4
1.2 VSWR (RATIO MAX)	1.15:1	1.20:1	1.25:1	1.45:1	1.50:1
1.3 INSERTION LOSS (dB MAX)	0.15	0.20	0.25	0.40	0.50
1.4 ISOLATION (dB MIN)	85	80	70	60	60
1.5 RF POWER (WATTS CW MAX) AT SEA LEVEL, +40°C, LOAD VSWR 1:1	600	400	300	225	175
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	260mA
	15	13-17	230mA
	24	20-28	145mA
	28	24-32	110mA

2.2 SWITCHING TIME 20mS MAX  
2.3 OPERATING MODE FAILSAFE

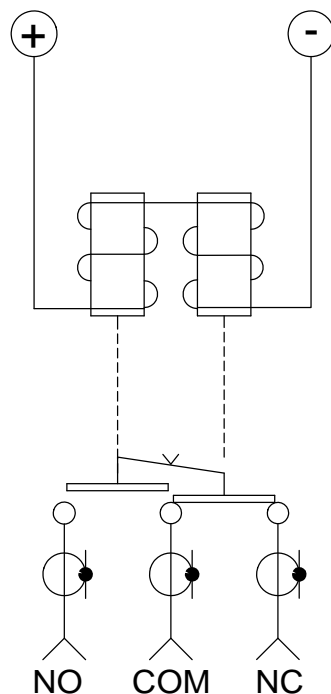
## 3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT SPDT  
3.2 RF CONTACTS BREAK BEFORE MAKE  
3.3 WEIGHT 5.4oz (153g) 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: GASKET SEAL

# SCHEMATIC:



CODE IDENT. NO. <b>00471</b>	DWG. NO. <b>402-2X03</b>	REV. <b>C</b>
SCALE NONE	SHEET 3 OF 3	