

Nominal Coil Voltage	Part Number
12 Vdc	411CJ-420832A
15 Vdc	411CJ-490832A
24 Vdc	411CJ-480832A
28 Vdc	411CJ-430832A



DowKey®
Microwave
CORPORATION

A JOVEE TECHNOLOGIES COMPANY

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SWITCH, TRANSFER, LATCHING SELF CUT-OFF
SMA-FEMALE CONNECTORS, INDICATORS
5V LOGIC, MTG BRACKET, DE9P DC CONNECTOR

CODE IDENT. NO.

00471

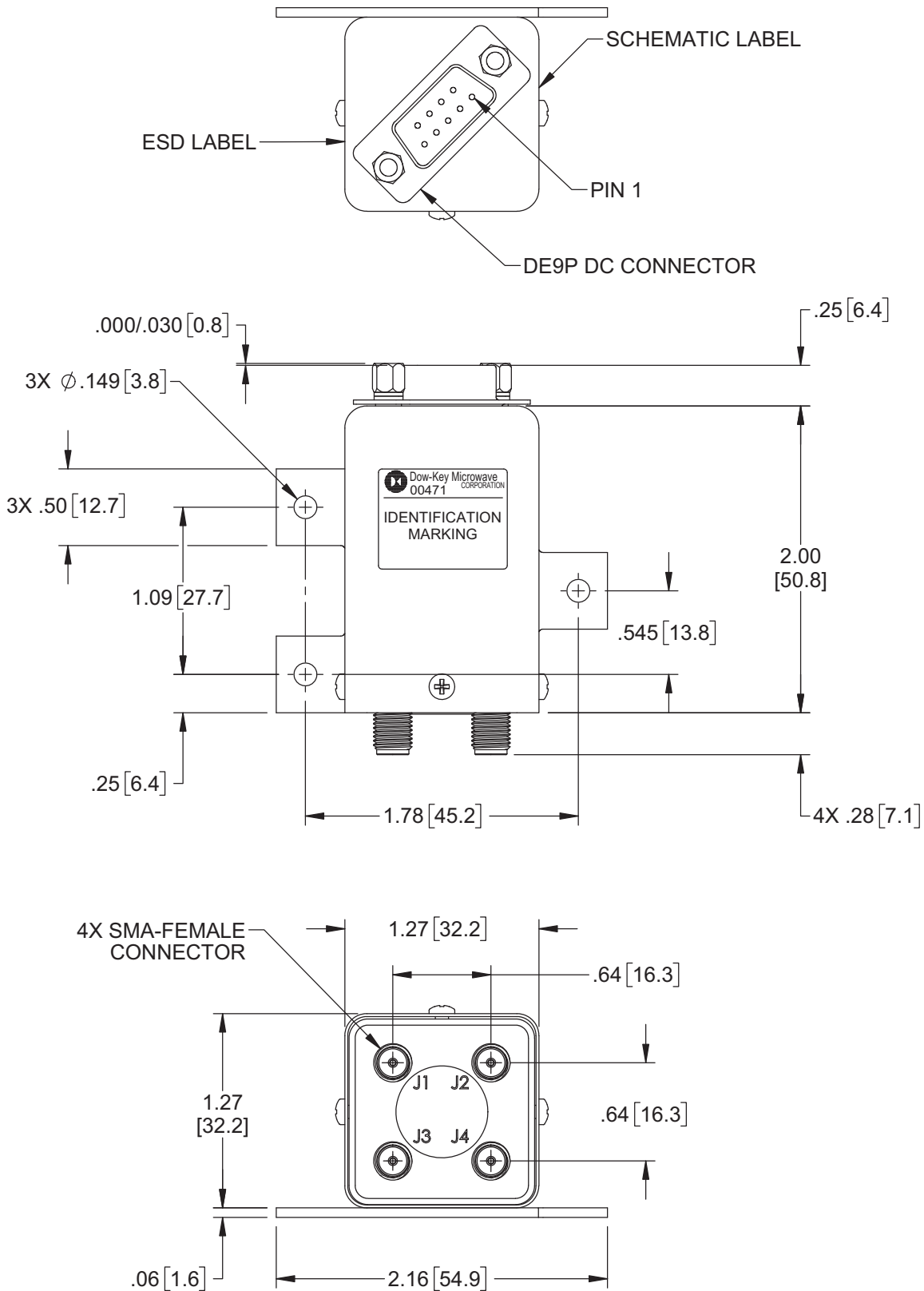
DWG. NO.

411CJ-4X0832A

SCALE NONE

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

SCALE NONE

DWG. NO.

411CJ-4X0832A

REV.
E

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	1.20:1	1.30:1	1.35:1	1.40:1
1.3 INSERTION LOSS (dB MAX)	0.10	0.20	0.30	0.35	0.40
1.4 ISOLATION (dB MIN)	85	80	70	65	60
1.5 RF POWER (WATTS CW MAX)	225	125	90	75	60
AT SEA LEVEL, +40°C, LOAD VSWR 1:1					
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	300mA
	15	13-17	270mA
	24	20-28	165mA
	28	24-32	130mA

2.2 SWITCHING TIME	20mS MAX
2.3 OPERATING MODE	LATCHING SELF CUT-OFF

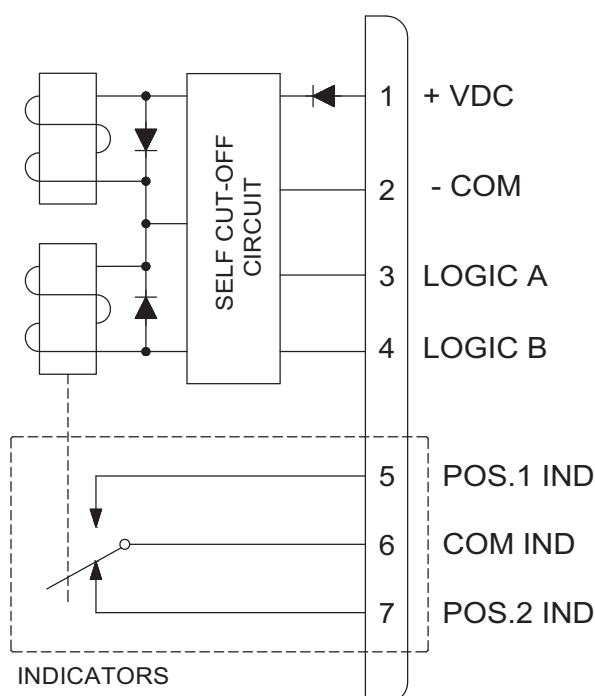
3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT	TRANSFER
3.2 RF CONTACTS	BREAK BEFORE MAKE
3.3 WEIGHT	3.3oz (94g) 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:	SAND AND DUST

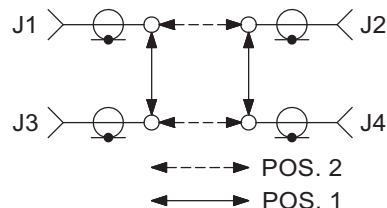
SCHEMATIC:



LOGIC TRUTH TABLE			
RF PATH	INDICATOR PATH	LOGIC 'A'	LOGIC 'B'
J1-J3 / J2-J4	COM - 1	1	0
J1-J2 / J3-J4	COM - 2	0	1

LOGIC "1" = 2.4 Vdc - 5.5 Vdc

LOGIC "0" = 0.0 Vdc - 0.8 Vdc



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SCALE NONE	SHEET 3 OF 3	