

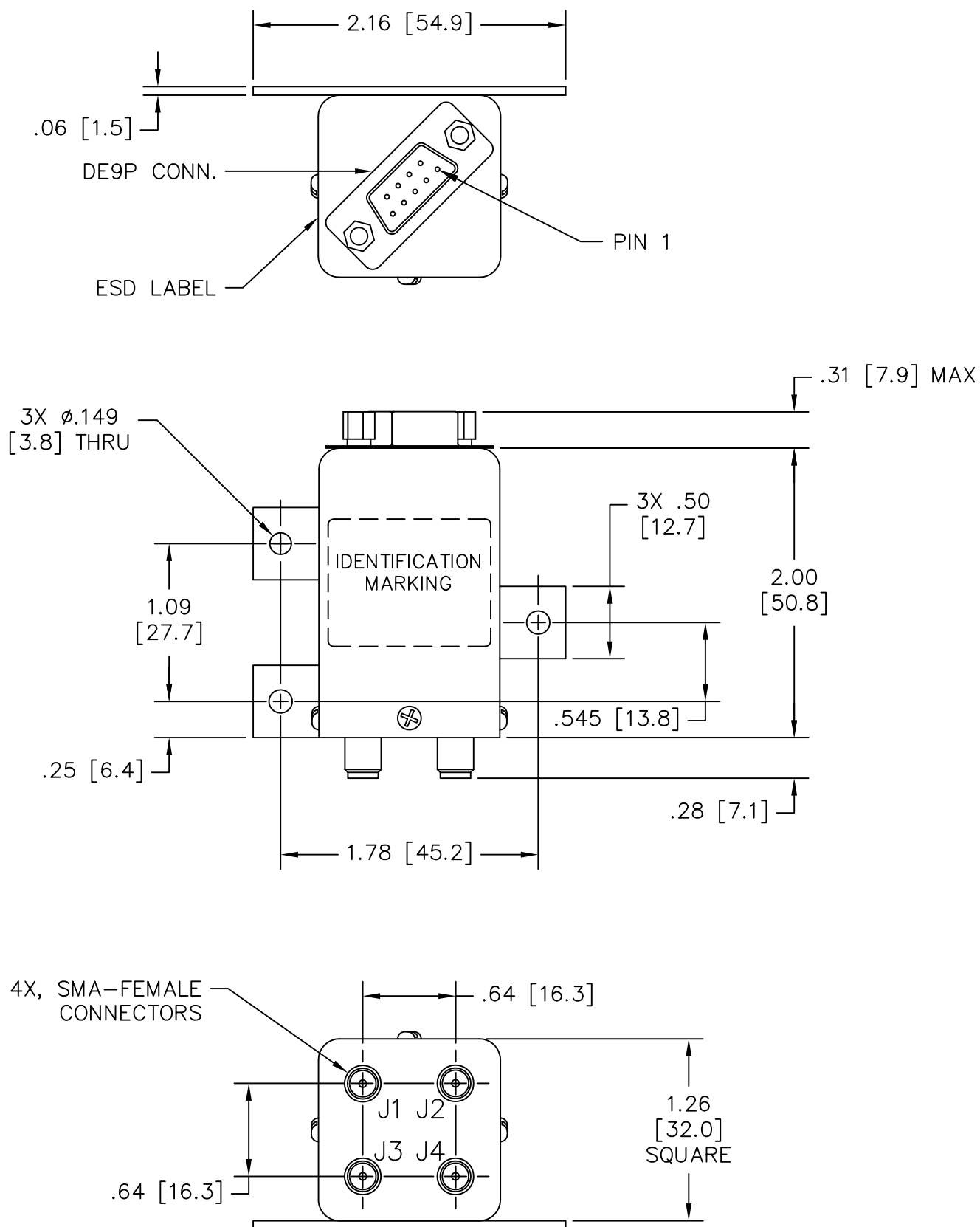
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	8/24/11	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	411CJW-4208
28 Vdc	411CJW-4308

Dow-Key has certified the product line to meet the passive intermodulation limits specified herein. PIM measurements may vary when different carrier frequencies, power levels, and/or PIM frequencies are used in the final application. PIM testing is not conducted as a part of the standard product acceptance test.

REVISIONS	A	A	A				
SHEET NO.	1	2	3				
APPROVALS		DATE					
DRAWN SARA LEE		08/23/11					
ENGINEERING G. NICKLAUS		08/23/11					
QUALITY G. WAKEFIELD		08/23/11					
MANUFACTURING J.LEE		08/24/11					
 DowKey[®] Microwave CORPORATION 4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734  A DOVER TECHNOLOGIES COMPANY							
SWITCH, TRANSFER, LATCHING SELF CUT-OFF, SMA-FEMALE CONNECTORS, MTG BRACKET, DE9P LOW PASSIVE INTERMODULATION (PIM)							
CODE IDENT. NO. 00471				DWG. NO. 411CJW-4X08			
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.
411CJW-4X08

REV.
A

SCALE NONE

SHEET 2 OF 3

SPECIFICATIONS:

1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	0-1	1-4	4-8	8-12	12-18
1.2 VSWR (RATIO MAX):	1.10:1	1.20:1	1.30:1	1.40:1	1.50:1
1.3 INSERTION LOSS (dB MAX):	0.10	0.20	0.30	0.40	0.50
1.4 ISOLATION (dB MIN):	85	80	70	65	60
1.5 RF POWER (WATTS CW MAX):	200	100	50	35	25
1.6 PASSIVE INTERMODULATION:					

TEST SIGNALS: CARRIER FREQUENCY 1: 1930 MHz, APPROXIMATELY 43dBm (20W)

CARRIER FREQUENCY 2: 1990 MHz, APPROXIMATELY 43dBm (20W)

SPECIFICATION REQUIREMENT: 3rd ORDER PIM PERFORMANCE: BELOW -160 dBc

3rd ORDER PIM FREQUENCY: 1870 MHz

2. ACTUATION DATA:

2.1

NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (MAX) @ NOMINAL VOLTAGE & 25°C
12	11-16	250mA
28	24-32	180mA

2.2 SWITCHING TIME: 20ms MAX

2.3 OPERATING MODE: LATCHING SELF CUT-OFF

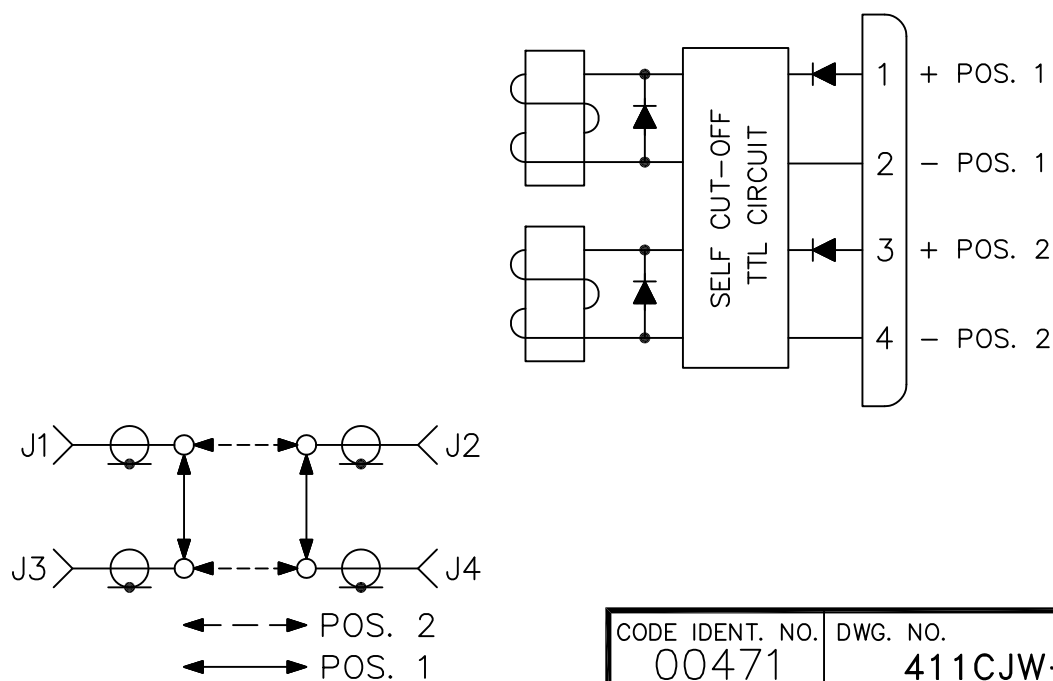
3. MECHANICAL:

3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	3.5oz. (100g.) 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:



CODE IDENT. NO.

00471

DWG. NO.

411CJW-4X08

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SCALE NONE

SHEET 3 OF 3