

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REVISED PER ECO #9850	5/13/10	K.R.
C	REVISED PER ECO #10174	8/18/11	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	461JLW-4208
28 Vdc	461JLW-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	C	C	C				
SHEET NO.	1	2	3				
APPROVALS			DATE				
DRAWN S. LEE			11/20/09				
ENG S. LEE			11/20/09				
ENG. MGR. G. NICKLAUS			12/04/09				
SALES MGR. J. TRUJILLO			12/08/09				
Q.A. MGR. R. MATSUMOTO			12/10/09				
MFG. MGR. R. GONZALEZ			12/10/09				



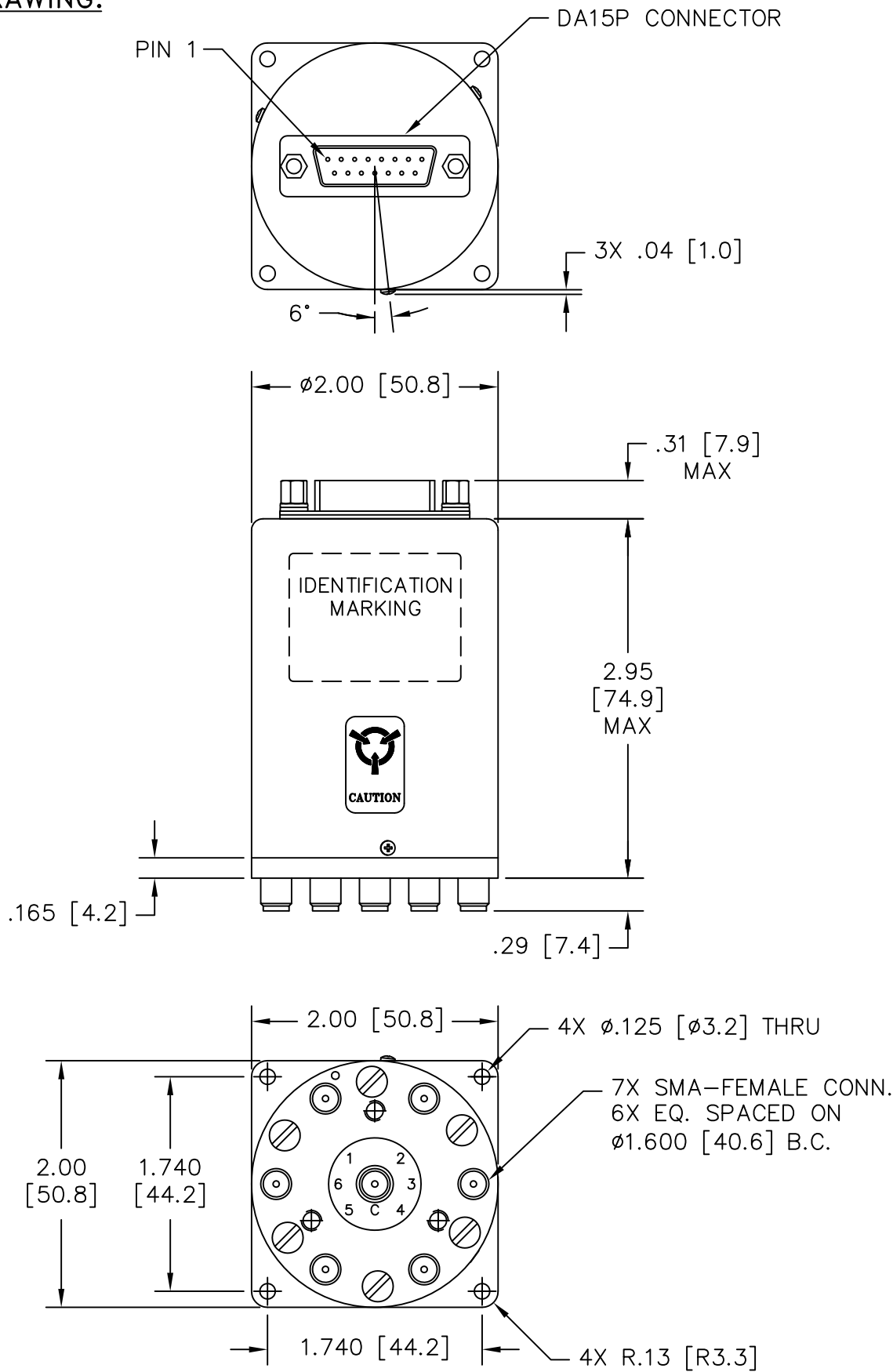
**DowKey®
Microwave
CORPORATION**

A DOVER TECHNOLOGIES COMPANY

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SWITCH, SP6T, LATCHING SELF CUT-OFF SMA-FEMALE CONNECTORS, DA15P DC CONNECTOR, FLANGE MOUNT, LOW PASSIVE INTERMODULATION (PIM)	
CODE IDENT. NO. 00471	DWG. NO. 4X1JLW-4X08
SCALE NONE	FINAL ASSY:
SHEET 1 OF 3	

OUTLINE DRAWING:



[] MILLIMETERS

UNLESS OTHERWISE
SPECIFIED TOLERANCES
ARE:
.XXX $\pm .010$ ANGLES: $\pm 3^\circ$
.XX $\pm .030$

CODE IDENT. NO.
00471

DWG. NO.

4X1JLW-4X08

REV.
C

SCALE NONE

SHEET 2 OF 3

SPECIFICATIONS:

1. RF CHARACTERISTICS:

1.1	FREQUENCY (GHz):	DC-4	4-8	8-12.4	12.4-18
1.2	VSWR (RATIO MAX):	1.20:1	1.30:1	1.40:1	1.50:1
1.3	INSERTION LOSS (dB MAX):	0.20	0.30	0.40	0.50
1.4	ISOLATION (dB MIN):	85	75	70	60
1.5	RF POWER (WATTS CW MAX):	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 (TYP) @ NOMINAL VOLTAGE & 25°C
12	11–14	570mA
28	24–32	180mA

2.2

SWITCHING TIME:

15ms MAX

2.3

OPERATING MODE:

LATCHING SELF CUT–OFF

3. MECHANICAL:

3.1	RF CONTACTS:	BREAK BEFORE MAKE
3.2	WEIGHT:	8.5oz. (240g.) 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:

SCHEMATIC SHOWN WITH POSITION 1 SELECTED

