REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	REVISED PER ECO 9197	1/02/08	K.R.
D	REVISED PER ECO 11954	7/25/18	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	5A1J-520802A
15 Vdc	5A1J-590802A
24 Vdc	5A1J-580802A
28 Vdc	5A1J-530802A

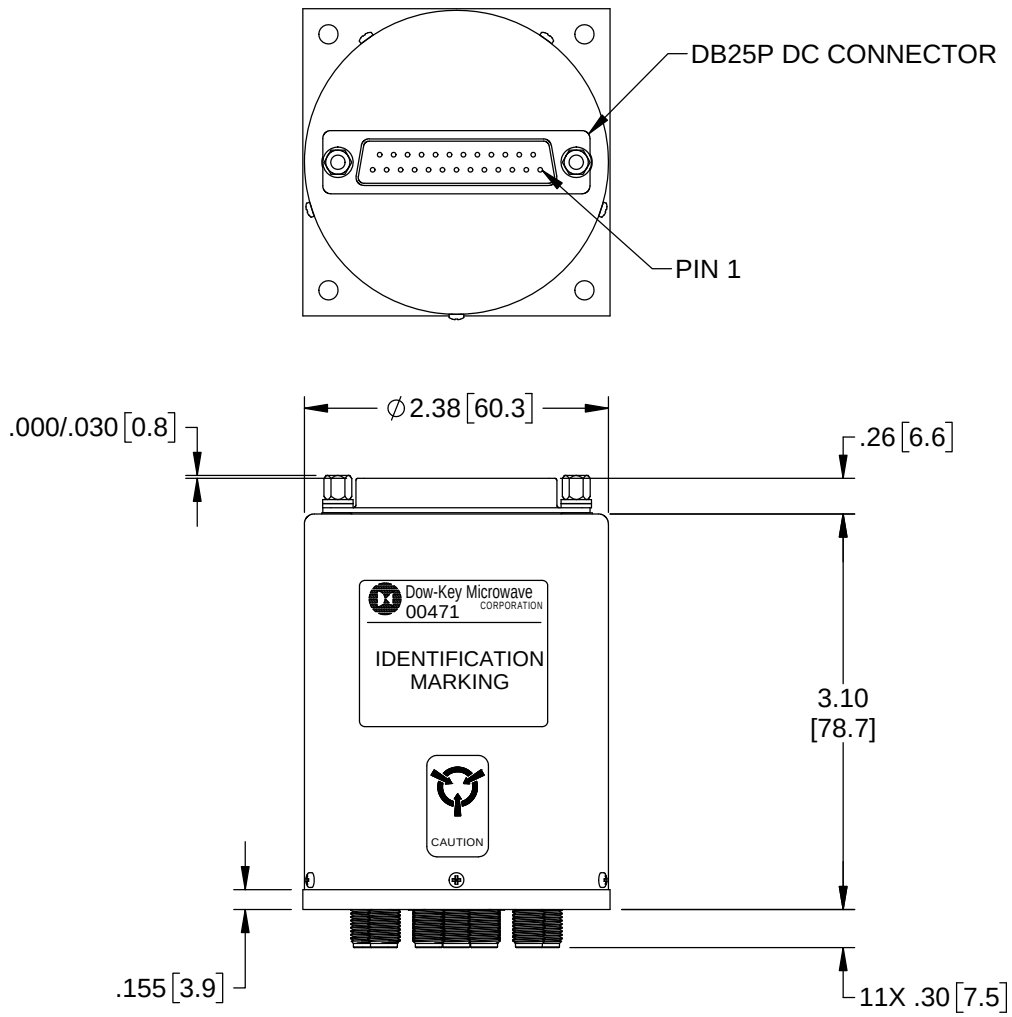
APPROVALS	DATE
DRAWN SARA LEE	7/23/18
ENGINEERING T. STRASBURGER	7/24/2018
QUALITY R.Dahlberg	7/24/2018
MANUFACTURING R. GARCIA	7/24/2018

DowKey ® Microwave CORPORATION
A DOVER TECHNOLOGIES COMPANY
4822 McGrath Street
Ventura, CA. 93003-5641
PH: (805) 650-0260
FAX: (805) 650-1734

SWITCH, SP10T, NORMALLY OPEN
SMA-FEMALE CONNECTORS
5V CONTROL, DB25P DC CONNECTOR

CODE IDENT. NO.	DWG. NO.	
00471	5A1J-5X0802A	
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. 5A1J-5X0802A	REV. D
	SCALE NONE		SHEET 2 OF 3

SPECIFICATION:

1.0 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	1.60:1
1.3 INSERTION LOSS (dB MAX)	0.20	0.30	0.40	0.60
1.4 ISOLATION (dB MIN)	70	65	60	55
1.5 RF POWER (WATTS CW MAX) AT SEA LEVEL, +40˚C, LOAD VSWR 1:1	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	285mA
15	13-17	225mA
24	20-28	140mA
28	24-32	120mA

2.2 SWITCHING TIME — 15mS MAX

2.3 OPERATING MODE — NORMALLY OPEN

3.0 MECHANICAL:

3.1 CONTACT ARRANGEMENT — SP10T

3.2 RF CONTACTS — BREAK BEFORE MAKE

3.3 WEIGHT — 7.4oz (210g) NOMINAL

3.4 DESIGN LIFE — 1,000,000 CYCLES MINIMUM

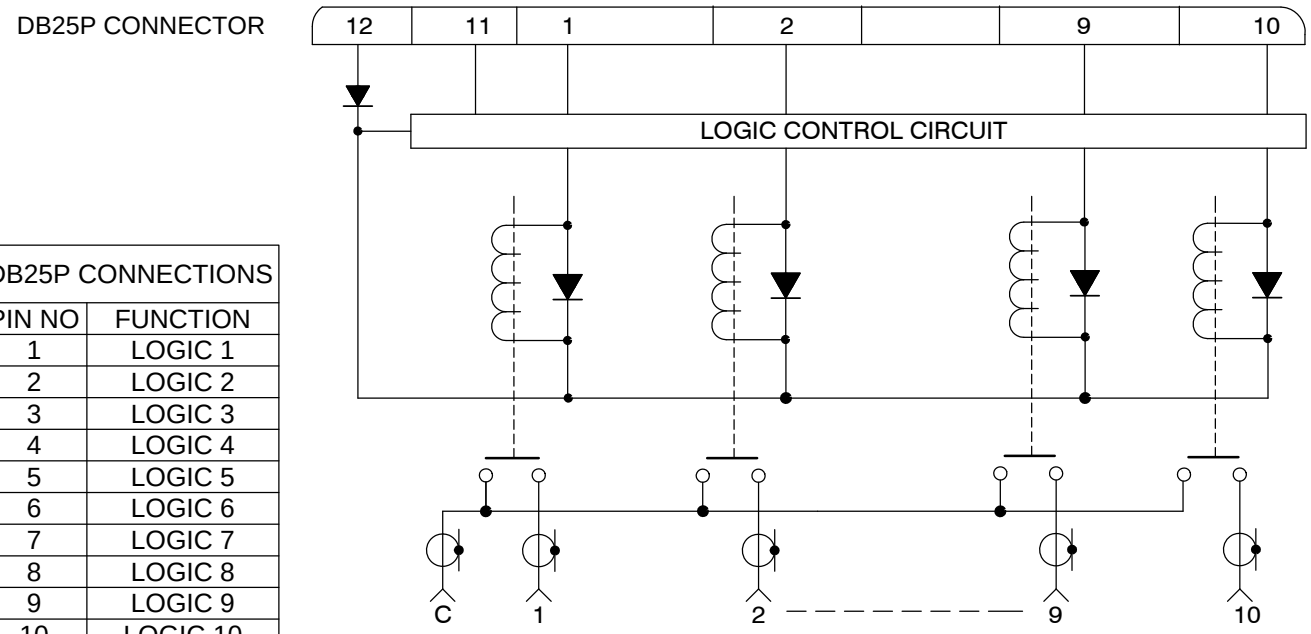
4.0 ENVIRONMENTAL:

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:



DB25P CONNECTIONS	
PIN NO	FUNCTION
1	LOGIC 1
2	LOGIC 2
3	LOGIC 3
4	LOGIC 4
5	LOGIC 5
6	LOGIC 6
7	LOGIC 7
8	LOGIC 8
9	LOGIC 9
10	LOGIC 10
11	-RTN
12	+VDC
13-25	NO CONNECT

LOGIC HI "1" (ON) = 2.4 - 5.5 Vdc (1.35mA @ 3.85Vdc)

LOGIC LO "0" (OFF) = 0.0 - 0.8 Vdc (0mA @ 0Vdc)

CODE IDENT. NO.	DWG. NO.	REV.
00471	5A1J-5X0802A	D
SCALE NONE		SHEET 3 OF 3