

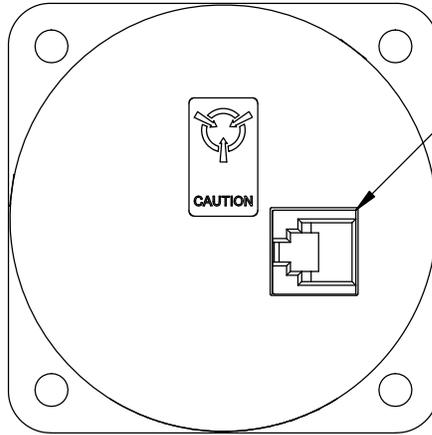
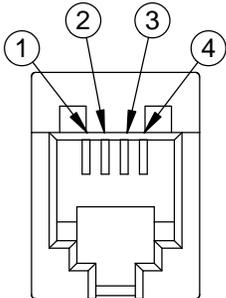
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	4/11/17	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	R461K-420853N

APPROVALS	DATE	 DowKey[®] Microwave CORPORATION <small>A DOVER TECHNOLOGIES COMPANY</small>	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
DRAWN			
ENGINEERING			
QUALITY			
MANUFACTURING			
SARA LEE	03/03/17	SWITCH, SP6T LATCHING SELF CUT-OFF SMA-FEMALE CONNECTORS, CBI, 26.5 GHz 50 OHM [2W] TERMINATIONS, 5 MILLION CYCLES	
J. WESSELY	4/5/2017		
G. WAKEFIELD	4/6/2017		
R. GARCIA	4/11/2017		
		CODE IDENT. NO.	DWG. NO.
		00471	R461K-420853N
		SCALE NONE	SHEET 1 OF 4

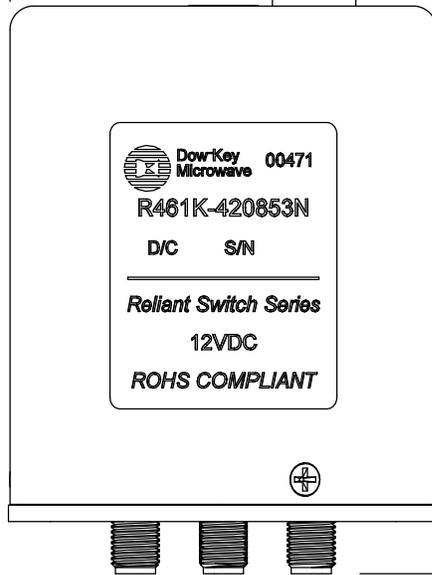
OUTLINE DRAWING:

CAN BUS INTERFACE CONTROL CONNECTOR



MODULAR JACK-VERTICAL STANDARD PROFILE SMALL PANEL CUT-OUT (MOLEX 95503-2441)

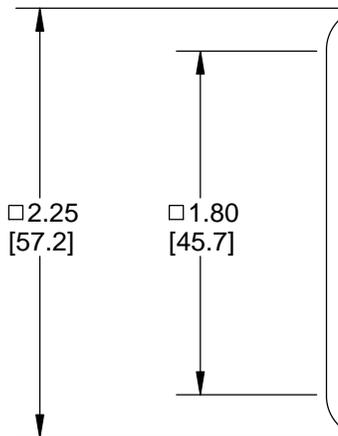
$\phi 2.234$ [56.7]



2.70 [68.6]

.086 [2.2]

7X .27 [6.9]



4X R.220 [5.6]

7X SMA-FEMALE CONNECTOR
6X EQUALLY SPACED
ON $\phi 1.062$ [27.0] BC

6X 50 OHM [2W] INTERNAL
TERMINATIONS

4X $\phi .172$ [4.4]

[] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XXX ±.010 ANGLES: ±3° .XX ±.030	CODE IDENT. NO. 00471	DWG. NO. R461K-420853N	REV. A
	SCALE NONE	SHEET 2 OF 4	

SPECIFICATION:

1.0 RF CHARACTERISTICS:

1.1 FREQUENCY (GHz)	DC - 4	4 - 12.4	12.4 - 18	18 - 26.5
1.2 VSWR (RATIO MAX)	1.20:1	1.30:1	1.45:1	1.65:1
1.3 VSWR, TERMINATION (RATIO MAX)	1.20:1	1.30:1	1.45:1	1.70:1
1.4 INSERTION LOSS (dB MAX)	0.20	0.35	0.45	0.70
1.4.1 REPEATABILITY (MAX)	0.03 dB @ 25 °C (DC - 26.5 GHz)			
1.5 ISOLATION (dB TYP)	100	100	75	70
1.6 HOT SWITCHING (WATTS CW)	2	2	2	2
1.7 IMPEDANCE (NOMINAL)	50 OHMS			

2.0 ACTUATION DATA:

2.1 OPERATING VOLTAGE	11 -14Vdc (12Vdc NOMINAL)
2.2 OPERATING CURRENT	410mA TYP @ 12Vdc & 20 °C
2.3 SWITCHING TIME	15mS MAX
2.4 OPERATING MODE	LATCHING SELF CUT-OFF
2.5 STAND BY CURRENT (QUIESCENT)	50 mA MAX

3.0 MECHANICAL:

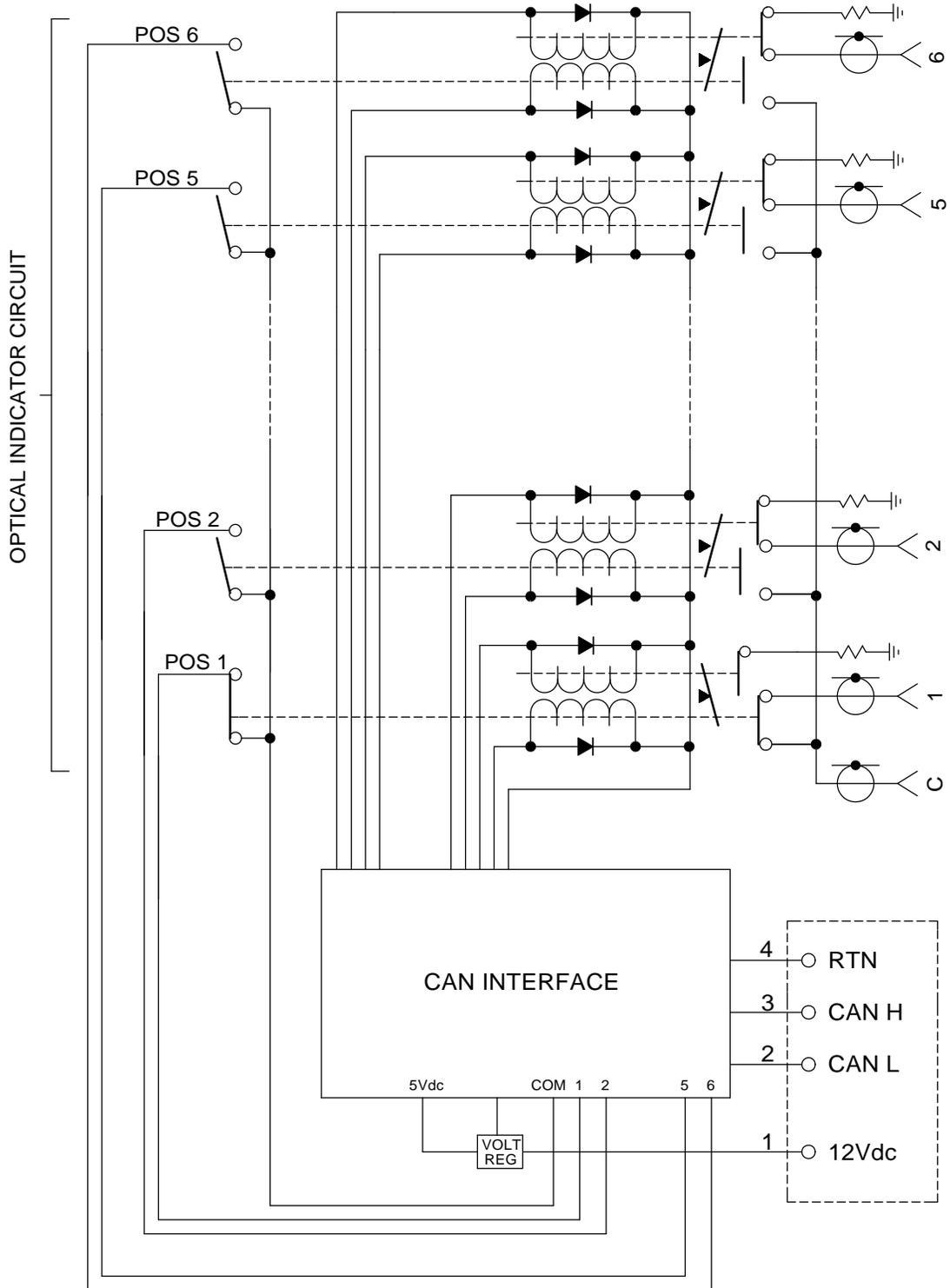
3.1 CONTACT ARRANGEMENT	SP6T
3.2 RF CONTACTS	BREAK BEFORE MAKE
3.3 WEIGHT	8.4 oz (238 g) NOMINAL
3.4 DESIGN LIFE	5,000,000 CYCLES MINIMUM

4.0 ENVIRONMENTAL:

4.1 OPERATING TEMPERATURE	-25 °C TO +75 °C
4.2 STORAGE TEMPERATURE	-55 °C TO +85 °C
4.3 VIBRATION	
4.3.1 SINUSOIDAL OPERATING	7g, 10 - 2000 Hz
4.3.2 SINUSOIDAL SURVIVAL	20g, 20 - 2000 Hz at 0.06 in p-p
4.3.3 RANDOM (OPERATING)	2.41g (rms), 12 min/AXIS
4.4 SHOCK (OPERATING)	50 g at 11mS
4.5 ALTITUDE (SURVIVAL)	50,000 FEET

CODE IDENT. NO. 00471	DWG. NO. R461K-420853N	REV. A
SCALE NONE		SHEET 3 OF 4

SCHEMATIC



CODE IDENT. NO. 00471	DWG. NO. R461K-420853N	REV. A
SCALE NONE	SHEET 4 OF 4	