

## HIGH POWER

## RADIO FREQUENCY BI-STABLE LATCHER



### Lead Configurations

Various lead configurations are available. Contact factory for more information.

### Sensitivity Ranges

The standard sensitivity ranges are listed in the chart on the left. Smaller ranges within the listed "Standard Range" are also available.

### Applications

Some of the applications for the switches on these 2 pages include: airplane controls, fluid level sensing, elevator controls, nuclear reactor rod position sensing, valve position controls, and radio relays.

### Notes

1. R-Rhodium; D-Durel; W-Tungsten; Ru-Ruthenium
2. Dielectric Strength (voltage breakdown) varies with sensitivity. Consult factory for application information.
3. Insulation Resistance Test Voltage - 100 VDC
4. Measured at 60 Hz, 50% Overdrive.
5. Consult factory for AC Rating
6. Solid Tungsten Bar and Plate Contacts
7. Intended for Radio Frequency (thru 30 MHz)
8. Special Release Sensitivity and/or Differential is available on most models.

\* 3.0 Watts Minimum

† A magnet is placed next to glass making overall glass/magnet length 0.715 in and a glass/magnet diameter of 0.145 in.

‡ A magnet is placed next to glass making overall glass/magnet length 1.790 in.

HSR-156	HSR-196	HSR-V207	HSR-634	HSR-834	HSR-V933	HSR-1015RF	HSR-V100RF	HSR-V180RF	HSR-302BSL	HSR-638BSL
SPST	SPST	SPST	SPDT	SPDT	SPDT	SPST	SPST	SPST	SPDT	SPDT
W <sup>6</sup>	W <sup>6</sup>	W <sup>6</sup>	W <sup>6</sup>	W <sup>6</sup>	W <sup>6</sup>	R <sup>7</sup>	R <sup>7</sup>	R <sup>7</sup>	R	R
A-2	A-1	A-3	C-2	C-2	C-3	A-1	A-1	A-1	C-4	C-5
120 120	120 120	2500 240	120 120	500 240	500 240	N/A 200VAC	N/A 220VAC	N/A 500VAC	120	150
3.0	3.0	3.0	3.0	3.0	3.0	0.5 RF AMP	1.0 RF AMP	1.5 RF AMP	0.2	1
100*	100*	200*	100*	100*	100*	10VA	10VA	25VA	4	25
700	600	10000	150	1000	1500	400	1500	5000	250	250
0.5	0.5	0.5	0.5	0.5	0.5	0.15	0.15	0.1	0.15	0.10
10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>11</sup>	10 <sup>10</sup>	10 <sup>8</sup>	10 <sup>10</sup>	10 <sup>11</sup>	10 <sup>10</sup>	10 <sup>11</sup>	10 <sup>10</sup>	10 <sup>10</sup>
50/100	50/100	100/150	60/100	60/100	40/100	15/40	15/40	60/125	10/50	20/50
III	IV	III	IV	IV	III	II	II	III	Special	III
4.0	3.2	4.6	4.0	4.5	4.2	0.70	1.4	3.0	N/A	N/A
-40 +125	-40 +125	-60 +125	-40 +125	-25 +125	-60 +125	-40 +125	-60 +125	-60 +125	-20 +40	-20 +40

3.220	3.225	3.225	3.385	3.385	2.820	2.090	2.185	3.225	1.930	3.390
1.630	2.005	2.005	1.315	1.290	1.305	0.795	0.800	2.100	0.580 <sup>†</sup>	1.290 <sup>‡</sup>
0.190	0.210	0.210	0.210	0.210	0.210	0.101	0.110	0.212	0.120 <sup>†</sup>	0.210
0.056	.021x.098	.021x.098	0.040	0.040	0.040	0.023	0.023	0.051	0.023	0.040
1.425	1.615	1.615	1.500	1.500	1.500	1.045	1.095	1.615	1.030	1.500

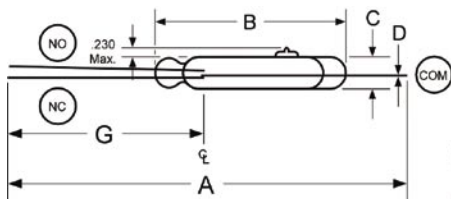


FIGURE C-3

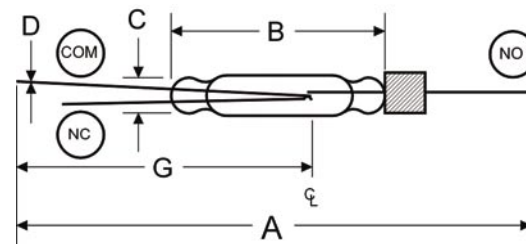


FIGURE C-4

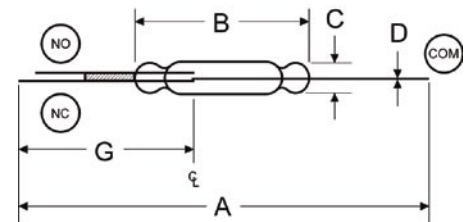


FIGURE C-5