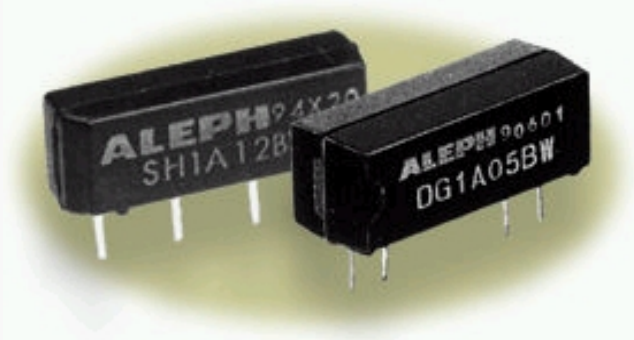
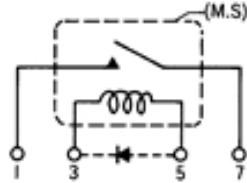
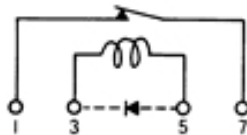
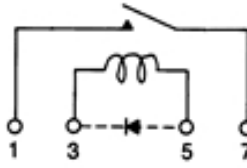


## SIP/DG Series

- Ultra miniature size industry standard footprint (SH series)
- Miniature size Industry standard package (DG series)
- Optional shielding and diodes (DG, SH series)
- UL models available



### ⚙ Coil Ratings

| Part Number | Nominal Voltage (VDC) | Coil Resistance (ohms) ± 10% | Operate Voltage (VDC) max. | Release Voltage (VDC) min. | Schematics                                                                            |
|-------------|-----------------------|------------------------------|----------------------------|----------------------------|---------------------------------------------------------------------------------------|
| DG1A**BW(D) | 5<br>12<br>24         | 500<br>850<br>2200           | 3.8<br>9.0<br>18.0         | 0.5<br>1.0<br>2.0          |  |
| DG1B**BW(D) | 5<br>12<br>24         | 500<br>500<br>1750           | 3.8<br>9.0<br>18.0         | 0.5<br>1.0<br>2.0          |  |
| SH1A**BW(D) | 5<br>12<br>24         | 500<br>1000<br>1400          | 3.8<br>9.0<br>18.0         | 0.5<br>1.0<br>2.0          |  |

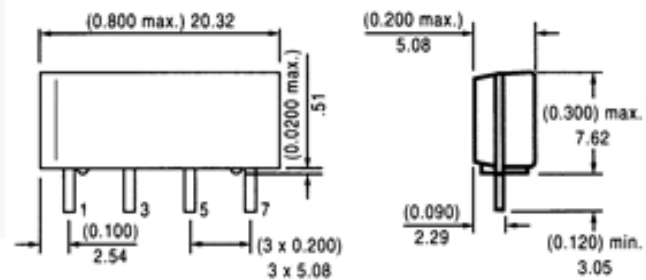
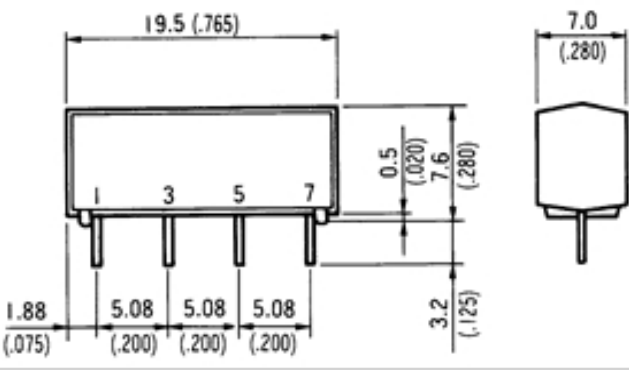
TAMB. = +20°C  
(E.S.S.) : *Electrostatic Shield*

### ⚙ Contact Ratings

| Parameters                               |                 | DG1A**BW                          | DG1B**BW | SH1A**BW(D)                   |
|------------------------------------------|-----------------|-----------------------------------|----------|-------------------------------|
| Power (W) max.                           |                 | 10                                |          |                               |
| Voltage (VDC) max.                       |                 | 200                               |          |                               |
| Switching Current (A) max.               |                 | 0.5                               |          |                               |
| Carry Current (A) max.                   |                 | 1.0                               |          |                               |
| Contact Resistance (ohms) max. (initial) |                 | 0.15                              | 0.20     | 0.15                          |
| Breakdown Voltage (VDC) min.             | Open Contact    | 250                               |          |                               |
|                                          | Contact to Coil | 1500                              |          |                               |
| Insulation Resistance (ohms) min.        | Open Contact    | 10 <sup>10</sup>                  |          |                               |
|                                          | Contact to Coil | 10 <sup>10</sup>                  |          |                               |
| Operate Time (mS) max (incl. bounce)     |                 | 1.0                               |          |                               |
| Release Time (mS) max.                   |                 | 0.5                               |          |                               |
| Electrical Life                          | Low Level       | 10 <sup>8</sup> (10mVDC, 10 μ A)  |          |                               |
|                                          | Rated Load      | 6 X 10 <sup>5</sup> (20VDC, 0.5A) |          | 10 <sup>6</sup> (20VDC, 0.5A) |

(resistive loads)

### ⚙ Dimensions

| SH Series                                                                          | DG Series                                                                            |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |