

## Gas Discharge Tubes

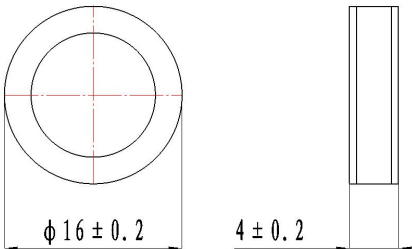
H2R16-600xx

### 1: Applications

- AC Power line N-PE applications
- Class I and Class II Surge protection



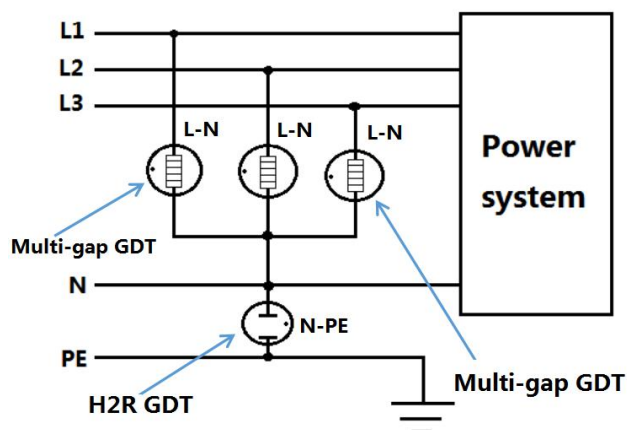
### 2: Dimension in mm



## Specification of H2R16-600xx

|                                                          |          |                                                  |
|----------------------------------------------------------|----------|--------------------------------------------------|
| Dc spark-over voltage (100V/s)                           | 1)       | 600V ±20%                                        |
| Maximum impulse spark-over voltage                       | 1KV/μs   | 1200V                                            |
| Breakdown time                                           |          | <100ns                                           |
| - typical values                                         |          | <20ns                                            |
| Insulation resistance @DC250V                            |          | 1000MΩ                                           |
| Class I according to IEC 61643-11                        |          |                                                  |
| Max continuous operating voltage at 50/60 Hz             | Uc       | 260V                                             |
| Nominal discharge current 8/20μs                         | In       | 30KA                                             |
| Impulse current 10/350μs                                 | Iimp     | 12.5KA                                           |
| Class II according to IEC 61643-11                       |          |                                                  |
| Max continuous operating voltage at 50/60 Hz             | Uc       | 260V                                             |
| Nominal discharge current 8/20μs                         | In       | 30KA                                             |
| Maximum discharge current 8/20μs                         | Imax     | 60KA                                             |
| capacitance at 1MHz                                      |          | <5pF                                             |
| Weight                                                   |          | ~ 5g                                             |
| UL 1449 Certification                                    |          |                                                  |
| On the UL List                                           |          |                                                  |
| Delivery time                                            |          | 20days                                           |
| Operation and storage temperature                        |          | -40℃ ... +90℃                                    |
| Marking, Blue                                            |          |                                                  |
| 1) At delivery AQL 0.65 level II Military Standard 105E. |          |                                                  |
| 2) In ionized mode                                       |          |                                                  |
| Test according to IEC 61643 11 ITU-T Rec. K.12           |          |                                                  |
|                                                          | 2R600 YY | 600 - Nominal voltage<br>YY - Year of production |

## 3:Application Figure



### What can we do for our GDT?

- 1: We Can customize voltage: 230V, 500V, 800V...etc
- 2: We Can developed low impulse GDT
- 3: We Can customize  $U_c$ ,  $I_n$ ,  $I_{max}$ ,  $I_{lim}$ ,  $I_f$ , TOV.
- 4: We Can developed cut off follow current 100A within 1 cycle when passing zero under AC260V(50Hz)
- 5: We Can customize multi-gap GDT used in DC or AC(L-N) over voltage protection
- 6: We Can customize GDT shape, marking, special Lead wire
- 7: We Can surpass our GDT competitors, help you pass the GDT test project & improve the GDT you currently use.
- 8: We can provide fast GDT delivery, Solve your GDT delivery time problem
- 9: We can help you analyze the competitor's parameters and tell you our perfect replacement GDT part number.