

**SDD SERIES SOLID STATE RELAY**

**SDD-200A002S-3**  
**SDD-200A004S-3**

**DC Control DC Loading S.S.R**



**Specifications**

| MODEL SERIES NO. | CONTROL VOLTAGE | MUST TURN OFF VOLTAGE | INPUT IMPEDANCE | LOADING CURRENT | LOADING VOLTAGE | MIN BLOCKING VOLTAGE | MAX OFF-STATE LEAKAGE | FREQUENCY RANGE | MAX 1-CYCLE PEAK SURGE |
|------------------|-----------------|-----------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|------------------------|
| SDD-200A002S-3   | 3-32 VDC        | MAX 1.0 VDC           | 1.5 K $\Omega$  | 2A              | 5 - 200VDC      | 300VDC               | LESS 3 mA             | 47-70HZ         | 3A                     |
| SDD-200A004S-3   | 3-32 VDC        | MAX 1.0 VDC           | 1.5 K $\Omega$  | 4A              | 5 - 200VDC      | 300VDC               | LESS 3 mA             | 47-70HZ         | 8.5A                   |

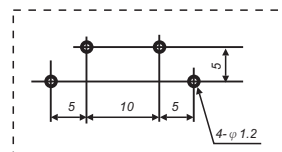
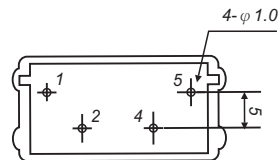
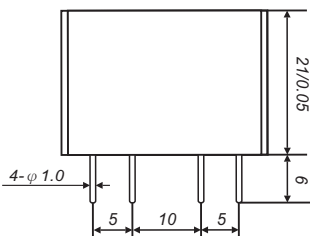
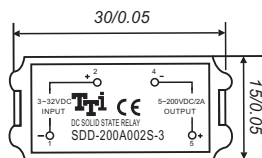
| MODEL SERIES NO. | MAX OFF STATE dv/dt | MAX ON-STATE VOLTAGE DROP | ISOLATE IMPEDENCE        | DIELECTRIC STRENGTH INPUT-OUTPUT | DIELECTRIC STRENGTH INPUT/OUTPUT-CASE | TURN ON TIME | TURN OFF TIME | CAPACITANCE IN-OUT | WEIGHT (g) |
|------------------|---------------------|---------------------------|--------------------------|----------------------------------|---------------------------------------|--------------|---------------|--------------------|------------|
| SDD-200A002S-3   | 200 V/ $\mu$ sec    | 1.2Vrms                   | 10 <sup>9</sup> $\Omega$ | 2500 VACrms                      | —                                     | LESS 2 msec  | LESS 2 msec   | LESS 15 PF         | 15 g       |
| SDD-200A004S-3   | 200 V/ $\mu$ sec    | 1.2Vrms                   | 10 <sup>9</sup> $\Omega$ | 2500 VACrms                      | —                                     | LESS 2 msec  | LESS 2 msec   | LESS 15 PF         | 15 g       |

**Parts No.**

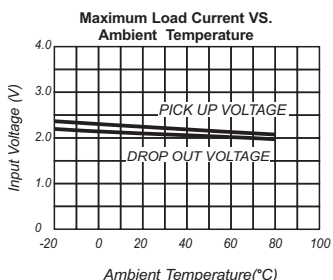
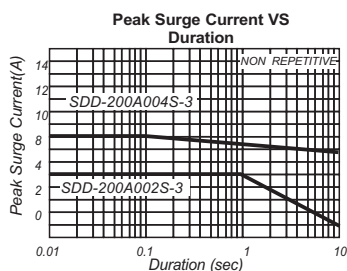
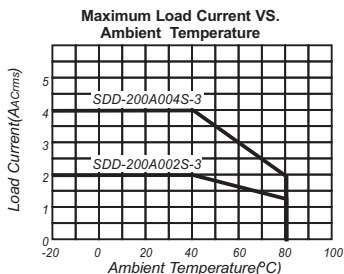
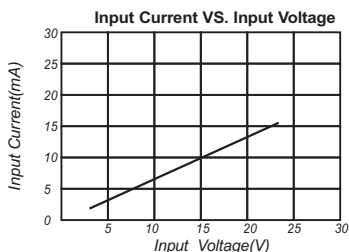
**SDD-200A002S-3**

Packing : 3 = DIP Type  
Phase : S = Single Phase  
Loading Current : 002 = 2A, 004 = 4A  
Control Voltage : A = 3-32VDC  
Loading Voltage : 200 = 5~200VDC  
Control Type : DD = DC Control DC  
S = S.S.R

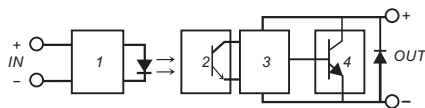
**Outline Dimensions(Unit : mm)**



**Characteristic Curves**



**Equivalent Circuit**



- 1.Input Circuit
- 2.Photo Detector
- 3.Amplifier
- 4.Protected Circuit