

Solid State Relay



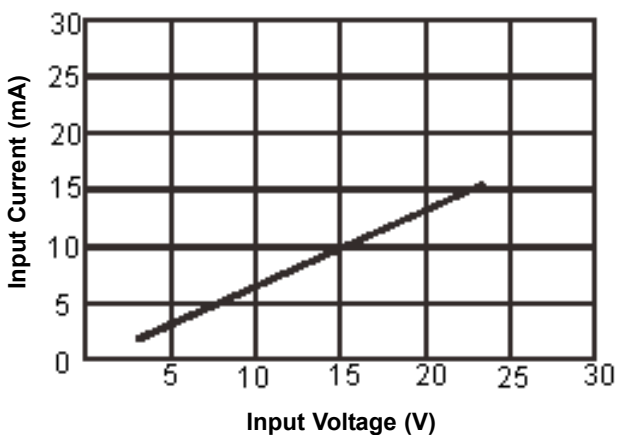
Specification Table

Control Voltage	Must Turn off Voltage	Input Impedance	Loading Current	Loading Voltage	Minimum Blocking Voltage	Maximum off-State Leakage	Frequency Range	Maximum 1-Cycle Peak Surge	Part Number
3 - 32 V dc	Maximum 1 V dc	1.5 K Ω	2 A	24 to 280 V ac	600 V ac	Less 3 mA	47-70 Hz	20 A	SDA-200A002S-4R SDA-200A002S-4Z

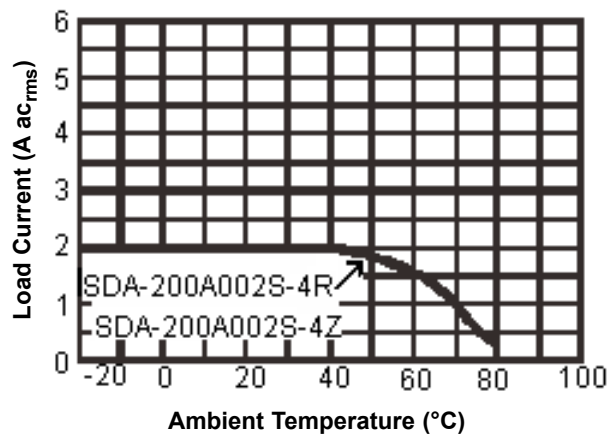
Maximum off State dv / dt	Maximum on-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input, Output-case	Turn on Time	Turn off Time	Capacitance In-Out	Weight (g)	Part Number
100 V / μ s	1.5 V _{rms}	10 ⁹ Ω	2,500 V ac _{rms}	-	Less 2 ms	Less 1/2 AC Cycle	Less 15 pF	6 g	SDA-200A002S-4R SDA-200A002S-4Z

Characteristic Curves

Input Current Vs. Input Voltage



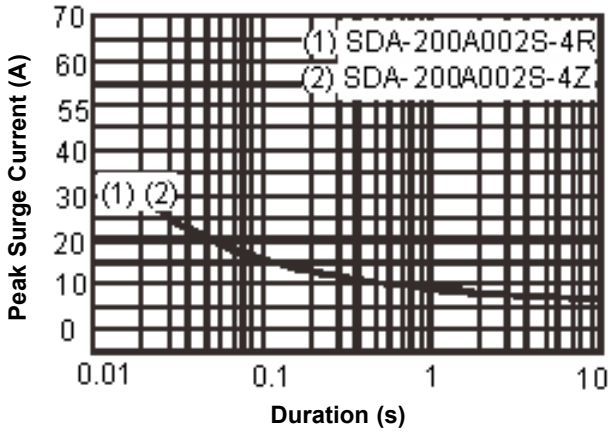
Maximum Load Current Vs. Ambient Temperature



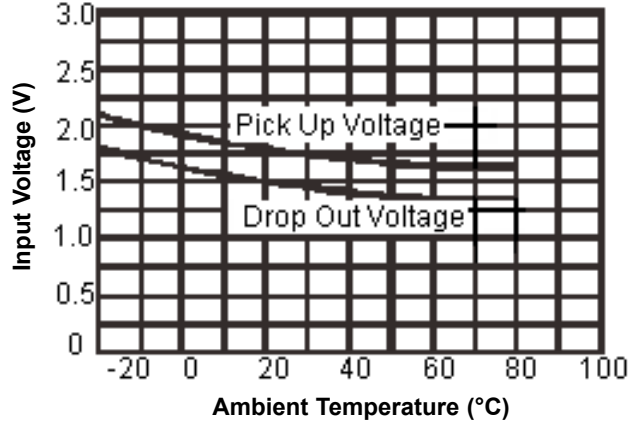
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Characteristic Curves

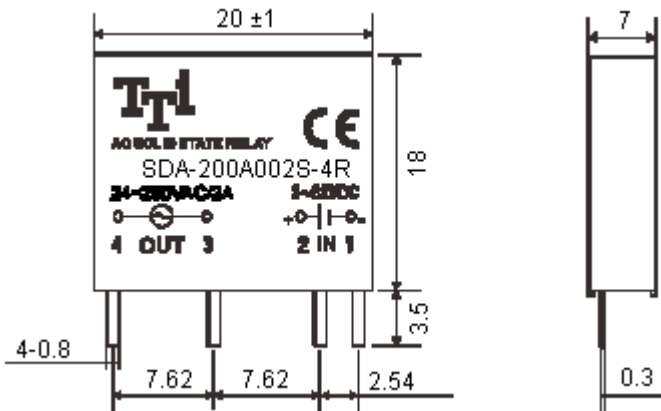
Peak Surge Current Vs. Duration



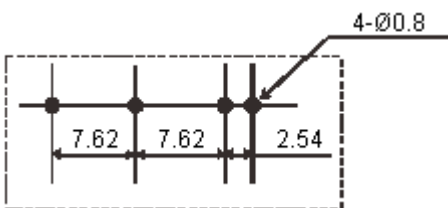
Maximum Load Current Vs. Ambient Temperature



Outline Dimensions (Unit : mm)

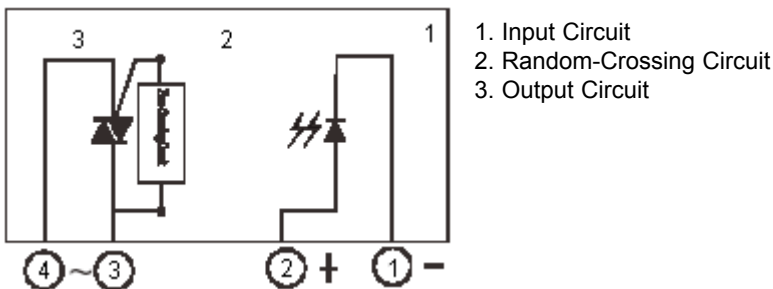


SIP of Mini Series



Dimensions : Millimetres

Equivalent Circuit

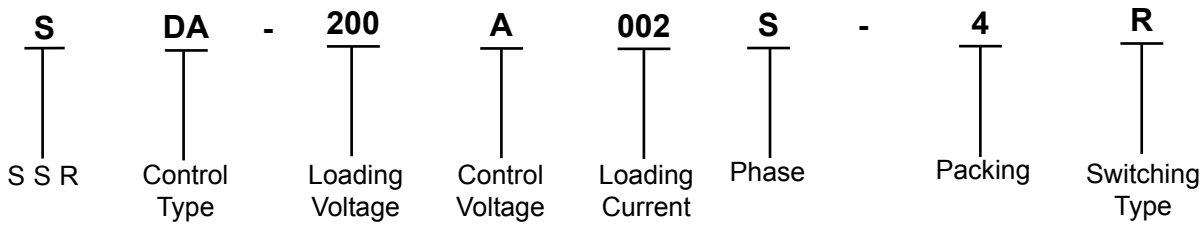


1. Input Circuit
2. Random-Crossing Circuit
3. Output Circuit

Solid State Relay



Part Number Explanation:



- | | |
|------------------------|---|
| S | : S = S S R |
| Control Type | : DA = DC Control ac |
| Loading Voltage | : 200 = 24 to 280 V ac |
| Control Voltage | : A = 3-32 V dc |
| Loading Current | : 002 = 2 A |
| Phase | : S = Single phase |
| Packing | : 4 = SIP of mini type |
| Switching Type | : R = Random switching, Z = Zero-crossing |

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