

Solid State Relay

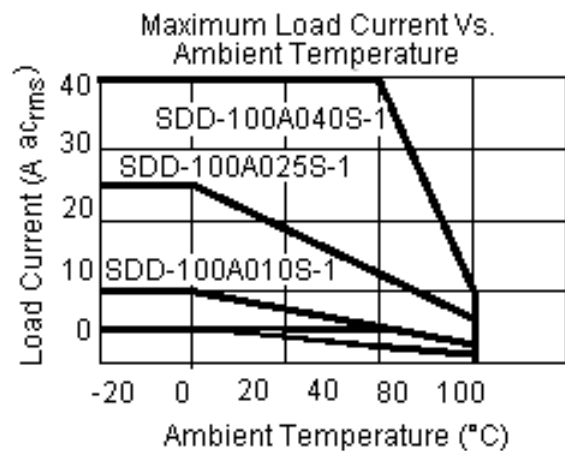
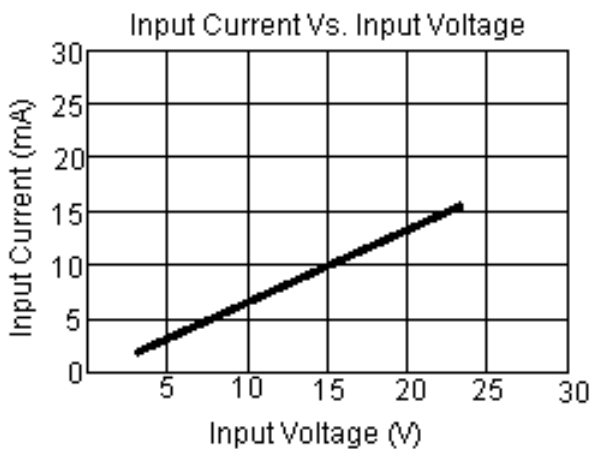


Specification Table

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	10 A	5 to 120 V dc	140 V dc	Less 2 mA	47-70 Hz	50 A	SDD-100A010S-1
			25 A					100 A	SDD-100A025S-1
			40 A					200 A	SDD-100A040S-1

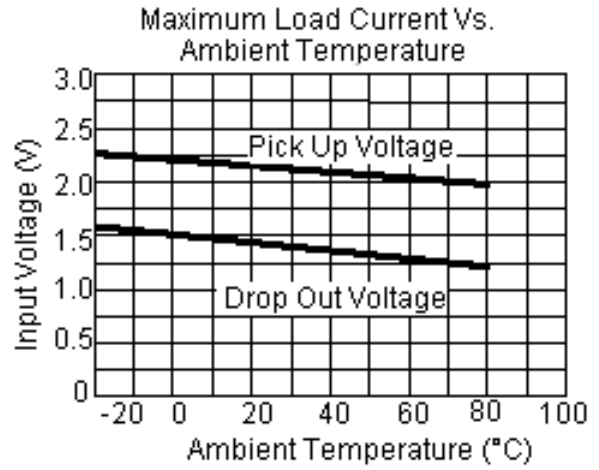
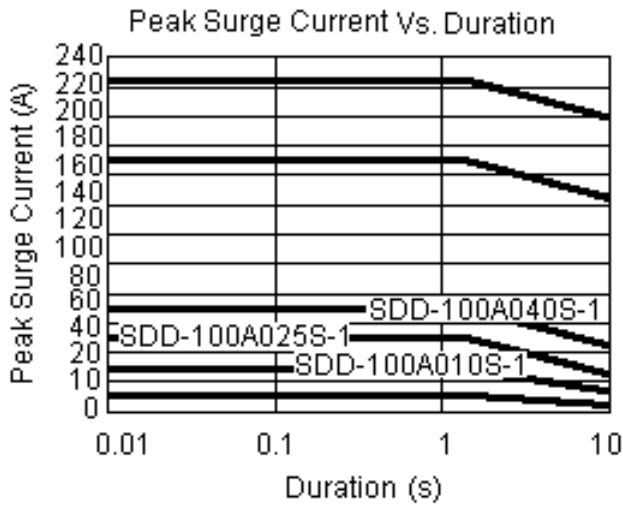
Maximum off State dv / dt	Maximum on-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input, Output-case	Turn on Time	Turn off Time	Capacitance In-Out	Weight (g)	Part Number
100 V / μ s	2 V _{rms}	10 ⁹ Ω	4,000 V ac _{rms}	4,000 V ac _{rms}	Less 2 ms	Less 2 ms	Less 15 pF	100 g	SDD-100A010S-1
									SDD-100A025S-1
									SDD-100A040S-1

Characteristic Curves

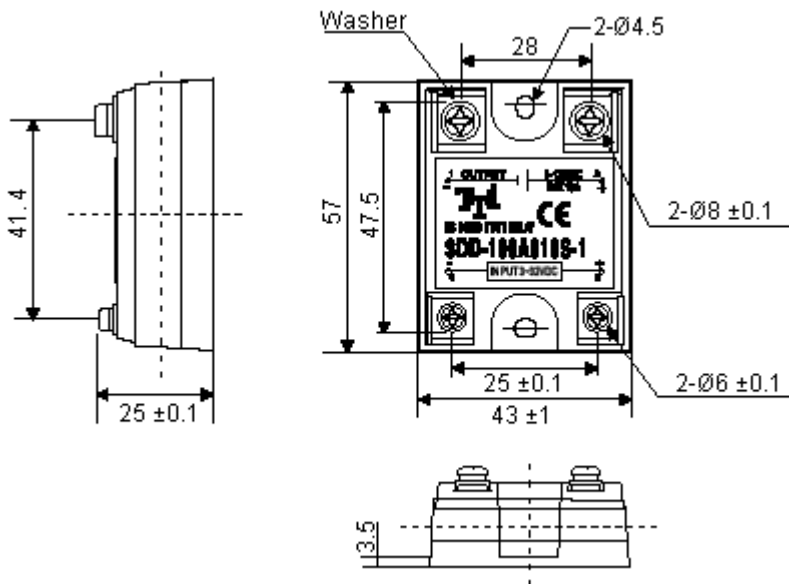


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Characteristic Curves

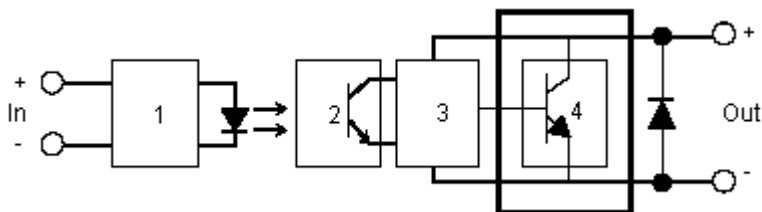


Outline Dimensions (Unit : mm)



Dimensions : Millimetres

Equivalent Circuit

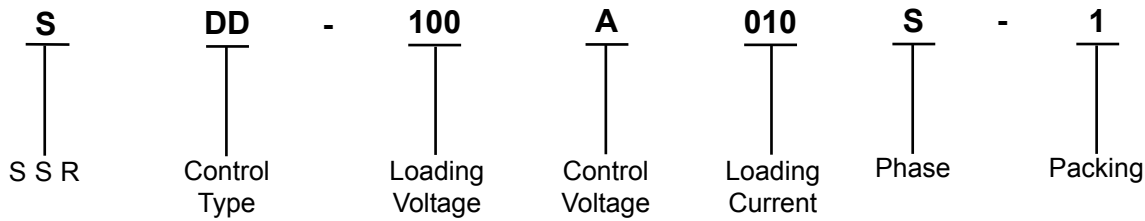


1. Input Circuit
2. Photo Detector
3. Amplifier
4. Protect Circuit

Solid State Relay



Part Number Explanation:



S	: S = S S R
Control Type	: DD = DC Control dc
Loading Voltage	: 100 = 5 to 120 V dc
Control Voltage	: A = 3-32 V dc
Loading Current	: 010 = 10 A, 025 = 25 A and 040 = 40 A
Phase	: S = Single phase
Packing	: 1 = Screw type

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