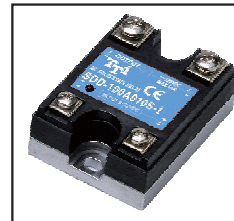


SDD SERIES SOLID STATE RELAY

SDD-100A005S-1
SDD-100A010S-1
SDD-100A025S-1
SDD-100A040S-1
SDD-100A050S-1
SDD-100A075S-1
SDD-100A150S-1

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-100A005S-1	3 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	5A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	15A
SDD-100A010S-1	3 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	10A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	25A
SDD-100A025S-1	4 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	25A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	43A
SDD-100A040S-1	4 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	40A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	52A
SDD-100A050S-1	4 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	50A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	75A
SDD-100A075S-1	4 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	75A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	90A
SDD-100A150S-1	4 - 32 VDC	MAX 1.0 VDC	1.5 K Ω	150A	5 ~ 120VDC	140VDC	LESS 2 mA	47-70HZ	150A

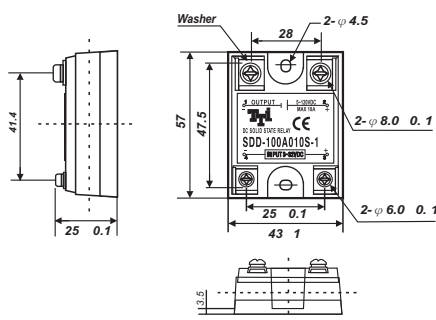
MODEL SERIES NO.	MAX OFF STATE dV/dt	MAX. ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	DIELECTRIC STRENGTH INPUT-OUTPUT	DIELECTRIC STRENGTH INPUT-OUTPUT-CASE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-OUT	WEIGHT (g)
SDD-100A005S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g
SDD-100A010S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g
SDD-100A025S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g
SDD-100A040S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g
SDD-100A050S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g
SDD-100A075S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g
SDD-100A150S-1	200 V/ μ s sec	2.0Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 2 msec	LESS 15 PF	100 g

Parts No.

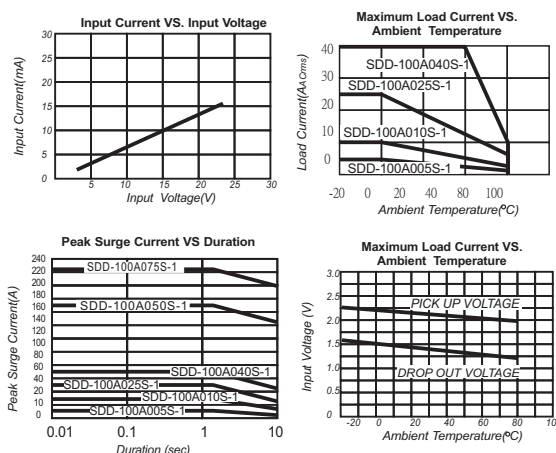
SDD-100 A005S-1

Packing : 1 = Screw Type
Phase : S = Single Phase
Loading Current : 005=5A,010 = 10A,025 = 25A,040 = 40A,
050 = 50A,075 = 75A,150=150A
Control Voltage : A = 3-32VDC
Loading Voltage : 100 = 5~120VDC
Control Type : DD = DC Control DC
S = S.S.R

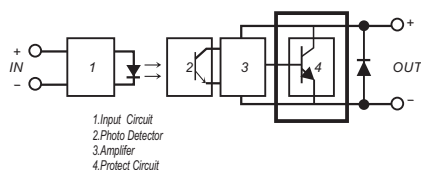
Outline Dimensions(Unit : mm)



Characteristic Curves



Equivalent Circuit



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

 	台興電子企業股份有限公司 TAI-SHING ELECTRONIC COMPONENTS CORP.					接點材質		DRAWING NO.	
	APPROVED	CONFIRMED	CHECKED	DESIGNED	DRAWN			DWG	SDD-100AxxxS-1
						符合RoHS		DRAWING NAME: 量產外型圖	
						完全 排除 NO		USED ON: Page 1 of 1 VER. 1	
3rd Angle Projection		General Machined Roughness		Dimensions Tolerance: TBA		Radius: R0.1		Chamfer: 0.1*45°	
								Unit: mm	
								Scale	