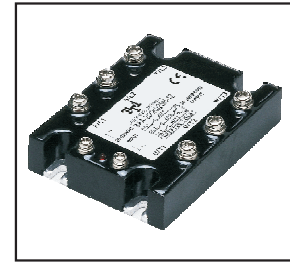


## SAA SERIES SOLID STATE RELAY

**SAA-200K025H-1Z**  
**SAA-200K040H-1Z**  
**SAA-200K050H-1Z**  
**SAA-200K075H-1Z**  
**SAA-200K090H-1Z**  
**SAA-200K100H-1Z**

**AC Control AC 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
SAA-200K025H-1Z	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	25A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	250A
SAA-200K040H-1Z	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	40A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	400A
SAA-200K050H-1Z	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	50A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	500A
SAA-200K075H-1Z	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	75A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	750A
SAA-200K090H-1Z	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	90A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	900A
SAA-200K100H-1Z	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	100A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	1000A

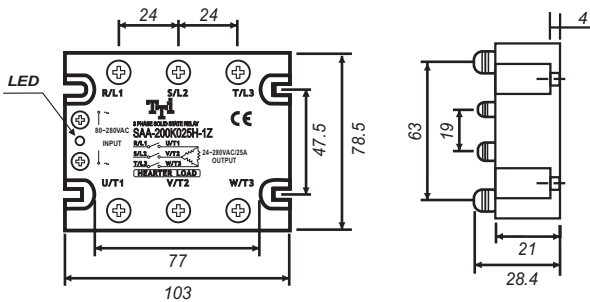
MODEL SERIES NO.	MAX OFF STATE dV/dt	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	DIELECTRIC STRENGTH INPUT-OUTPUT	DIELECTRIC STRENGTH INPUT,OUTPUT-CASE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-OUT	WEIGHT (g)
SAA-200K025H-1Z	500 V/μsec	1.6Vrms	10 <sup>9</sup> Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K040H-1Z	500 V/μsec	1.6Vrms	10 <sup>9</sup> Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K050H-1Z	500 V/μsec	1.6Vrms	10 <sup>9</sup> Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K075H-1Z	500 V/μsec	1.6Vrms	10 <sup>9</sup> Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K090H-1Z	500 V/μsec	1.6Vrms	10 <sup>9</sup> Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K100H-1Z	500 V/μsec	1.6Vrms	10 <sup>9</sup> Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g

## Parts No.

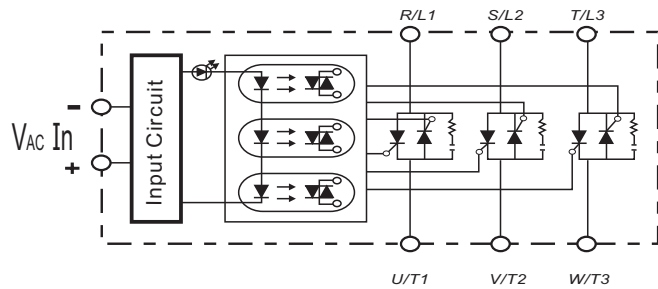
**SAA-200K025H-1Z**

Switching Type : Z = Zero Crossing  
Packing : 1 = Screw Type  
Phase : H = Heater Load  
Loading Current : 025 = 25A, 040 = 40A, 050 = 50A,  
075 = 75A, 090 = 90A, 100 = 100A  
Control Voltage : K = 80-280VAC  
Loading Voltage : 200 = 24~280VAC  
Control Type : AA = AC Control AC  
S = S.S.R

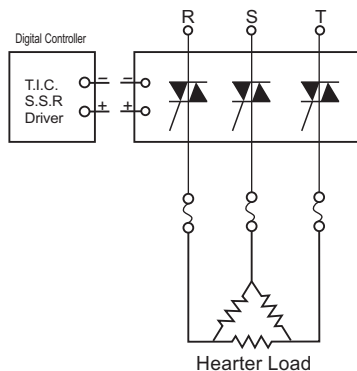
## Outline Dimensions (Unit : mm)



## Equivalent Circuit

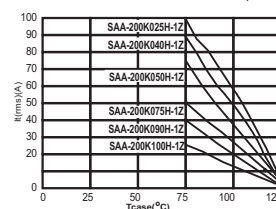


## Example : 3Ø S.S.R Application



## Characteristic Curves

RMS On-state Current Versus Case Temperature



Non Repetitive Surge On-state Current Versus Number Of Cycles

