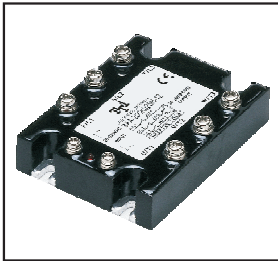


SAA SERIES SOLID STATE RELAY

SAA-200K025J-1Z  
SAA-200K040J-1Z  
SAA-200K050J-1Z  
SAA-200K075J-1Z  
SAA-200K090J-1Z  
SAA-200K100J-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-200K025J-1Z  | 80 ~ 280 VAC    | MAX 10 VDC            | 1.5 KΩ          | 25A             | 24 ~ 280VAC     | 600VAC               | LESS 10mA             | 47-70HZ         | 250A                   |
| SAA-200K040J-1Z  | 80 ~ 280 VAC    | MAX 10 VDC            | 1.5 KΩ          | 40A             | 24 ~ 280VAC     | 600VAC               | LESS 10mA             | 47-70HZ         | 400A                   |
| SAA-200K050J-1Z  | 80 ~ 280 VAC    | MAX 10 VDC            | 1.5 KΩ          | 50A             | 24 ~ 280VAC     | 600VAC               | LESS 10mA             | 47-70HZ         | 500A                   |
| SAA-200K075J-1Z  | 80 ~ 280 VAC    | MAX 10 VDC            | 1.5 KΩ          | 75A             | 24 ~ 280VAC     | 600VAC               | LESS 10mA             | 47-70HZ         | 750A                   |
| SAA-200K090J-1Z  | 80 ~ 280 VAC    | MAX 10 VDC            | 1.5 KΩ          | 90A             | 24 ~ 280VAC     | 600VAC               | LESS 10mA             | 47-70HZ         | 900A                   |
| SAA-200K100J-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-200K025J-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-200K040J-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-200K050J-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-200K075J-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-200K090J-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-200K100J-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-200K025J-1Z

Switching Type : Z = Zero Crossing

Packing : 1 = Screw Type

Phase : J = Heater Load (Three-Phase Two Line)

Loading Current : 025 = 25A,040 = 40A,050 = 50A,  
075 = 75A,090 = 90A,100 = 100A

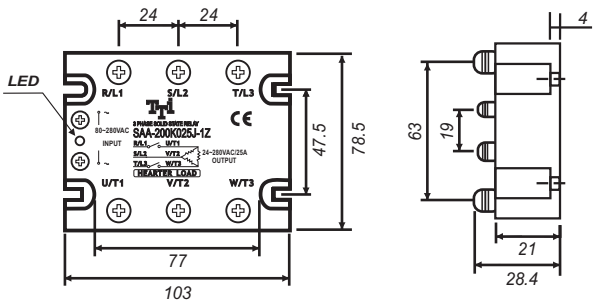
Control Voltage : K = 80-280VAC

Loading Voltage : 200 = 24~280VAC

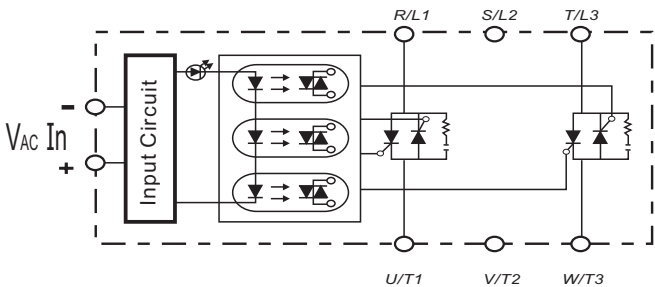
Control Type : AA = AC Control AC

S = S.S.R

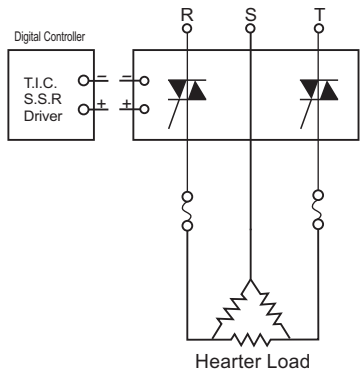
Outline Dimensions(Unit : mm)



Equivalent Circuit

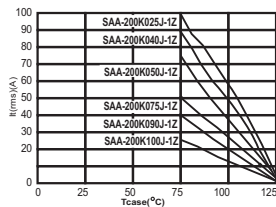


Example : 3Ø S.S.R Application



Characteristic Curves

RMS On-state Current Versus Case Temperature



Non Repetitive Surge On-state Current Versus Number Of Cycles

