



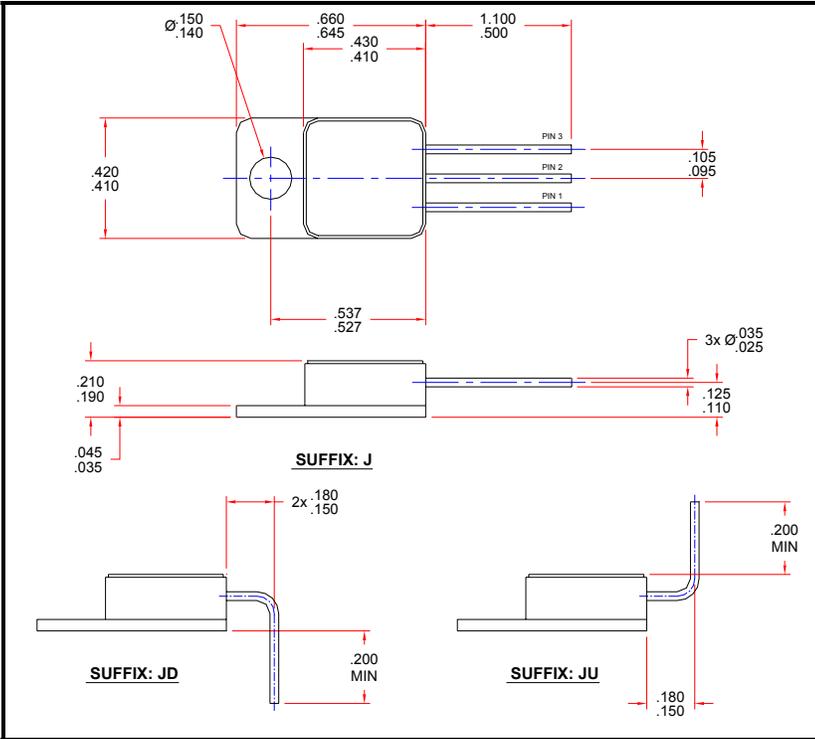


**Solid State Devices, Inc.**

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**SSR2010CTJ, SSR2010CAJ,  
 SSR2010DJ, & SSR2010DRJ  
 Series**

| Electrical Characteristic <sup>5/</sup>                                                                                                                                                                                                                                                          | Symbol                           | Min | Max                  | Units         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----|----------------------|---------------|
| <b>Instantaneous Forward Voltage Drop</b><br>( $I_F = 3 \text{ Adc}$ , $T_A = 25^\circ \text{C}$ , 300 $\mu\text{s}$ Pulse)<br>( $I_F = 5 \text{ Adc}$ , $T_A = 25^\circ \text{C}$ , 300 $\mu\text{s}$ Pulse)<br>( $I_F = 10 \text{ Adc}$ , $T_A = 25^\circ \text{C}$ , 300 $\mu\text{s}$ Pulse) | $V_{F1}$<br>$V_{F2}$<br>$V_{F3}$ |     | 0.72<br>0.76<br>0.88 | Vdc           |
| <b>Instantaneous Forward Voltage Drop</b><br>( $I_F = 5 \text{ Adc}$ , $T_A = -55^\circ \text{C}$ , 300 $\mu\text{s}$ Pulse)                                                                                                                                                                     | $V_{F4}$                         |     | 0.85                 | Vdc           |
| <b>Reverse Leakage Current</b><br>(Rated $V_R$ , $T_A = 25^\circ \text{C}$ , 300 $\mu\text{s}$ Pulse Minimum)                                                                                                                                                                                    | $I_{R1}$                         |     | 100                  | $\mu\text{A}$ |
| <b>Reverse Leakage Current</b><br>(Rated $V_R$ , $T_A = 100^\circ \text{C}$ , 300 $\mu\text{s}$ Pulse Minimum)                                                                                                                                                                                   | $I_{R2}$                         |     | 5                    | mA            |
| <b>Junction Capacitance</b><br>( $V_R = 10 \text{ Vdc}$ , $T_A = 25^\circ \text{C}$ , $f = 1 \text{ MHz}$ )                                                                                                                                                                                      | $C_J$                            |     | 400                  | pF            |



| PIN ASSIGNMENT       |         |         |         |
|----------------------|---------|---------|---------|
| CONFIGURATION        | Pin 1   | Pin 2   | Pin 3   |
| Common Cathode (CT)  | Anode   | Cathode | Anode   |
| Common Anode (CA)    | Cathode | Anode   | Cathode |
| Doubler (D)          | Cathode | AC      | Anode   |
| Doubler Reverse (DR) | Anode   | AC      | Cathode |