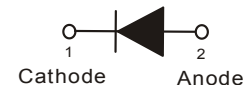
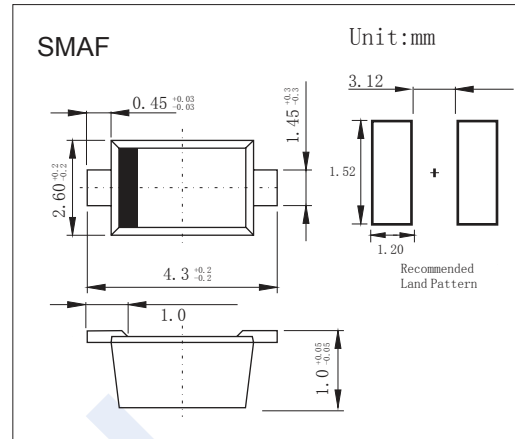


Schottky Diodes

SS32F ~ SS36F (KS32F ~ KS36F)

■ Features

- For surface mount applications
- Low profile package
- Low power loss, high efficiency
- High current capability, low forward voltage drop
- Easy pick and place

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | SS32F | SS33F | SS34F | SS35F | SS36F | Unit |
|---|------------|------------|-------|-------|------------|-------|---------------------------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 20 | 30 | 40 | 50 | 60 | V |
| RMS Voltage | V_{RMS} | 14 | 21 | 28 | 35 | 42 | |
| Maximum DC Blocking Voltage | V_{DC} | 20 | 30 | 40 | 50 | 60 | |
| Forward Voltage $T_a=65^\circ\text{C}$ (Note.1) | V_F | 0.55 | | | 0.75 | | |
| Averaged Forward Current $T_r=100^\circ\text{C}$ | I_{FAV} | 3 | | | | | A |
| Peak Forward Surge Current $T_a=25^\circ\text{C}$ | I_{FSM} | 100 | | | | | |
| Maximum DC Reverse Current $T_a=25^\circ\text{C}$ (Note.1) $T_a=100^\circ\text{C}$ | I_R | 0.5 | | | | | mA |
| | | 20 | | | 10 | | |
| Thermal Resistance.Junction- to-Ambient | R_{thJA} | 55 | | | | | $^\circ\text{C}/\text{W}$ |
| Thermal Resistance.Junction- to-Lead | R_{thJC} | 17 | | | | | |
| Junction Temperature | T_j | -55 to 125 | | | -55 to 150 | | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | -55 to 150 | | | | | |

Note.1: Pulse test: 300ms pulse width, 1% duty cycle

■ Marking

| NO. | SS32F | SS33F | SS34F | SS35F | SS36F |
|---------|-------|-------|-------|-------|-------|
| Marking | S2 | S3 | S4 | S5 | S6 |

Schottky Diodes

SS32F ~ SS36F (KS32F ~ KS36F)

■ Typical Characteristics

FIG. 1 - FORWARD CURRENT DERATING CURVE

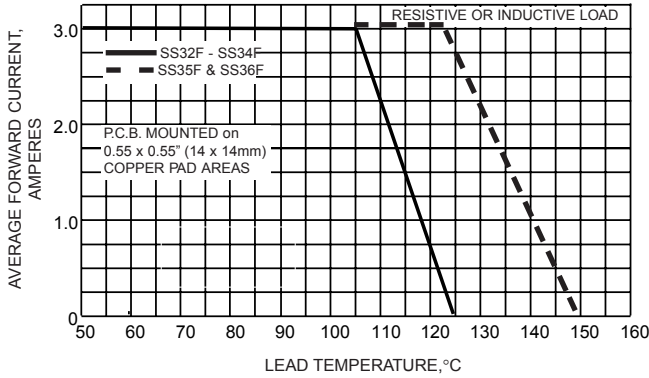


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

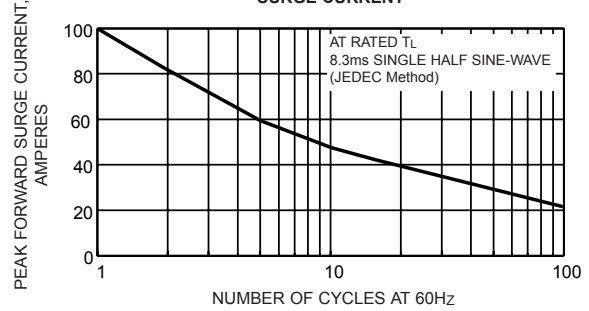


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

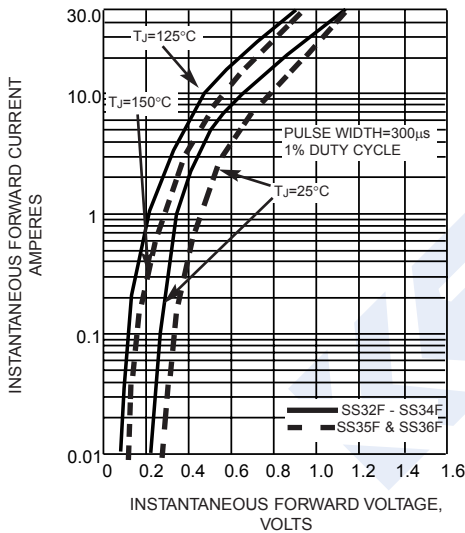


FIG. 4 - TYPICAL REVERSE CURRENT CHARACTERISTICS

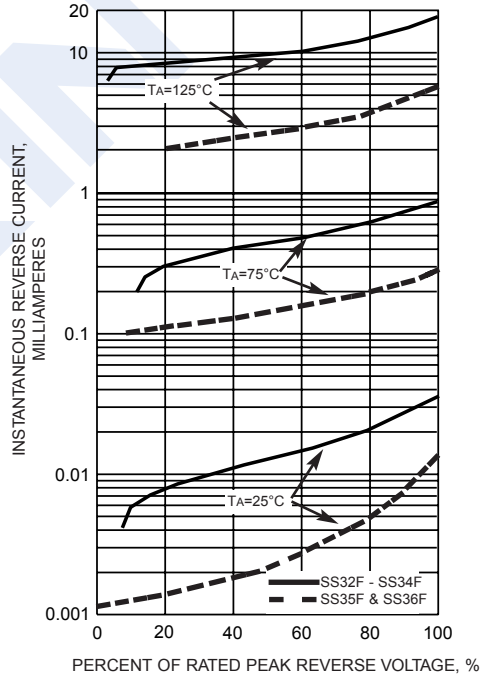


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

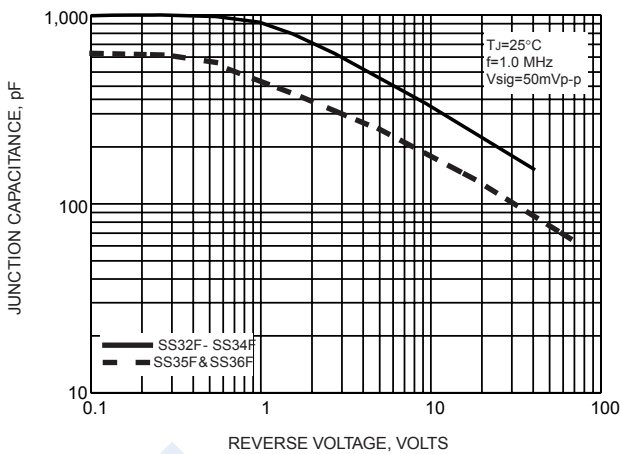


FIG. 6 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

