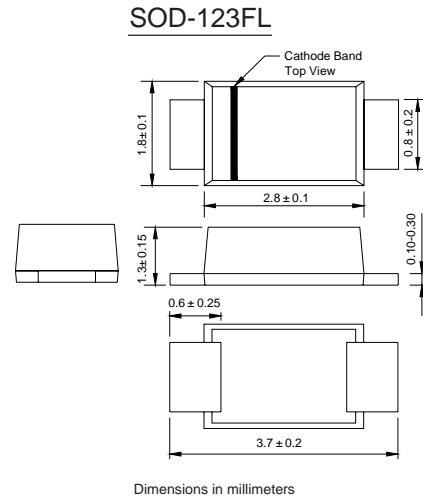


Schottky Barrier Rectifiers

Features

- Metal to silicon rectifier, majority carrier conduction.
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.
- Low power loss, high efficiency.
- High current capability, low V_F .
- High surge capacity.
- Glass passivated



Schottky Rectifiers

Absolute Maximum Ratings*

$T_A = 25^\circ\text{C}$ unless otherwise noted

| CHARACTERISTICS | SYMBOL | DSK22 | DSK23 | DSK24 | DSK25 | DSK26 | DSK28 | DSK210 | DSK215 | DSK220 | UNIT |
|---|-----------------|-------------|-------|-------|-------|-------|-------|--------|--------|--------|---------------------------|
| Maximum Recurrent Peak Reverse Voltage | V_{RRM} | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | V |
| Maximum RMS Voltage | V_{RMS} | 14 | 21 | 28 | 35 | 42 | 56 | 70 | 100 | 125 | V |
| Maximum DC Blocking Voltage | V_{DC} | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 | V |
| Maximum Average Forward Rectified Current @ $T_L=100^\circ\text{C}$ | $I_{(AV)}$ | 2.0 | | | | | | | | | A |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method) | I_{FSM} | 60 | | | | | | | | | A |
| Maximum Forward Voltage at 2.0A DC | V_F | 0.45 | 0.5 | 0.55 | 0.7 | | 0.85 | 0.92 | 0.95 | | V |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | I_R | 1.0 20 | | | | | | | | | mA |
| Typical Junction Capacitance (Note1) | C_J | 200 | | | | | | | | | pF |
| Typical Thermal Resistance (Note2) | $R_{\theta JL}$ | 15 | | | | | | | | | $^\circ\text{C}/\text{W}$ |
| Operating Temperature Range | T_J | -55 to +150 | | | | | | | | | $^\circ\text{C}$ |
| Storage Temperature Range | T_{STG} | -55 to +150 | | | | | | | | | $^\circ\text{C}$ |

FIG.1- PEAK FORWARD SURGE CURRENT

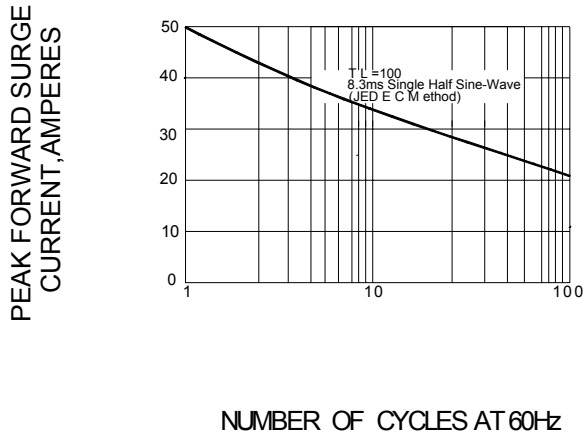


FIG.2 - TYPICAL FORWARD CHARACTERISTICS

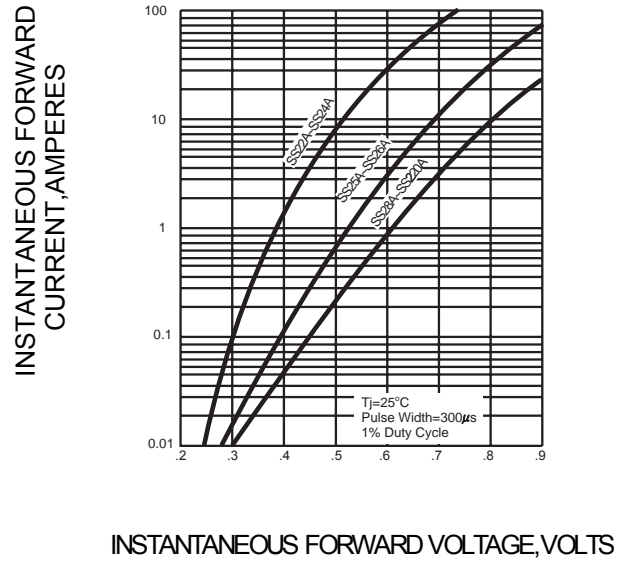
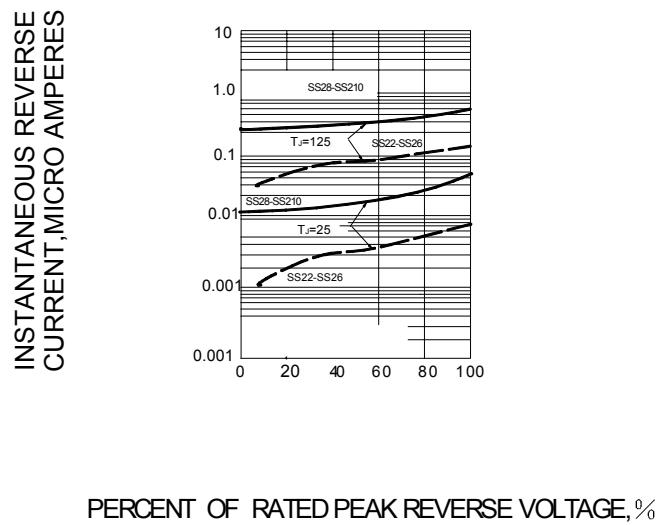


FIG.3 - TYPICAL REVERSE CHARACTERISTICS



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[SK33B-TP](#) [NRVBB20100CTT4G](#) [NRVBM120LT1G](#) [NTSB30U100CT-1G](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#) [ACDBA1100LR-HF](#)
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[PDS1040Q-13](#) [B160BQ-13-F](#) [SDM05U20CSP-7](#) [B140S1F-7](#) [HSM560Je3/TR13](#)