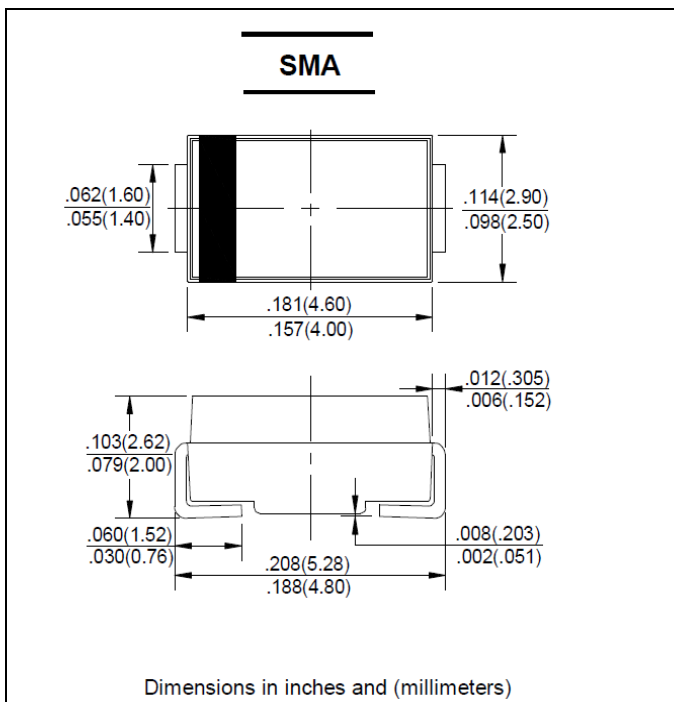


**FEATURES**

- For surface mounted applications
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- Built-in strain relief, ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed:  
250°C/10 seconds at terminals
- The plastic material carries U/L recognition 94V-0

**MECHANICAL DATA**

- Case: JEDEC DO -214AC. molded plastic
- Terminals: Axial leads. Solderable per MIL - STD - 750 Method 2026
- Polarity: Color band denotes cathode
- Weight: 0.003 ounce. 0.093 grams
- Mounting position: Any


**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%

	SYMBOL	SS22	SS23	SS24	SS25	SS26	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	20	30	40	50	60	V
Maximum RMS Voltage	$V_{RMS}$	14	21	28	35	42	V
Maximum DC Blocking Voltage	$V_{DC}$	20	30	40	50	60	V
Maximum Average Forward Rectified Current 9.5mm Lead Length. $T_A = 75^\circ\text{C}$	$I_{(AV)}$	2.0					A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load	$I_{FSM}$	50.0					A
Maximum Forward Voltage at 1.5A DC	$V_F$	0.50			0.70		V
Maximum Reverse Current $T_j = 25^\circ\text{C}$ at Rated DC Blocking Voltage $T_j = 100^\circ\text{C}$	$I_R$	0.5 15.0					mA
Typical Junction Capacitance (Note 1)	$C_j$	150					pF
Typical Thermal Resistance (Note 2)	$R_{QJA}$	20					°C/W
Operating Junction Temperature Range	$T_j$	- 55 to 125					°C
Storage Temperature Range	$T_{STG}$	- 55 to 150					°C

- NOTE:**
1. Measured at 1.0MHZ and applied reverse voltage of 4.0V DC
  2. P.C.B.mounted with 0.2×0.2 (5.0×5.0mm)copper pad areas



Fig.1-Forward Current Derating Curve

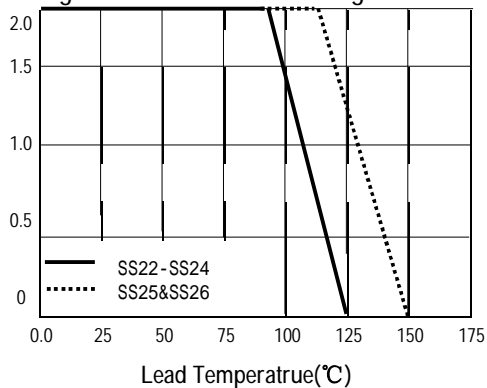


Fig.2-Maximum Non-repetitive Surge Current

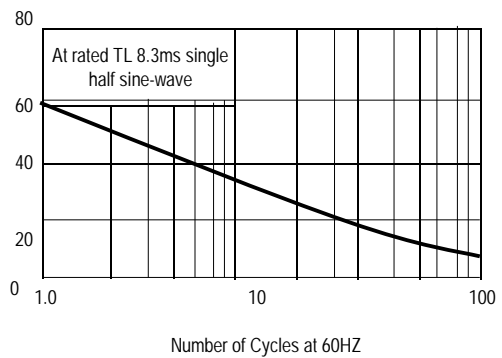


FIG. 3 -- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

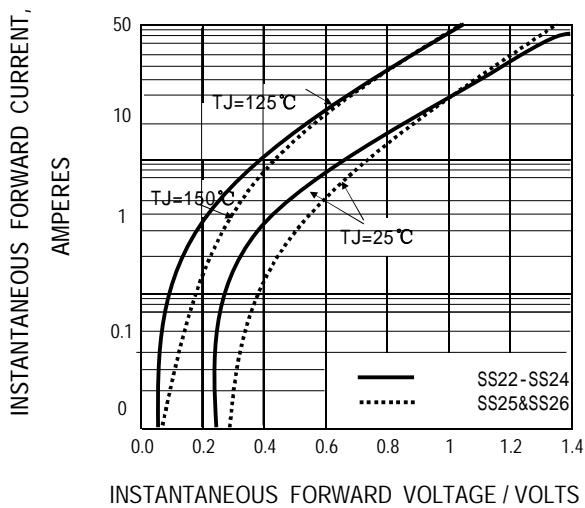


FIG. 4 -- TYPICAL REVERSE CHARACTERISTICS

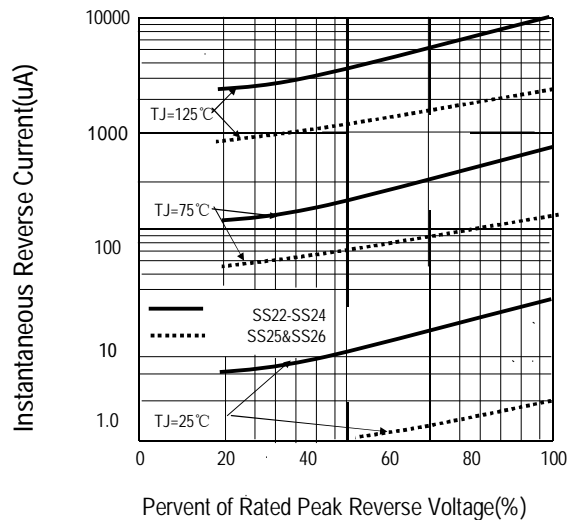


FIG. 5 -- Typical Junction Capacitance

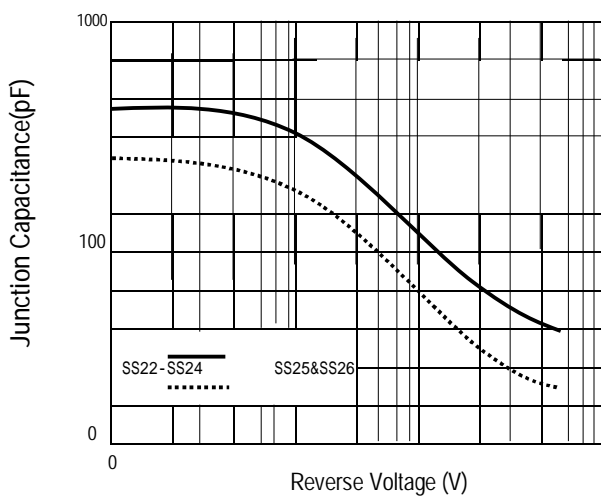
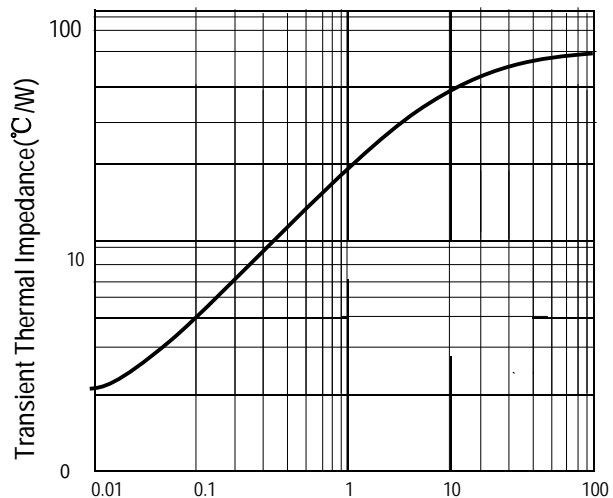


FIG. 6 -- Typical Transient Thermal Impedance



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Schottky Diodes & Rectifiers](#) category:*

*Click to view products by [Bourne](#) manufacturer:*

Other Similar products are found below :

[MA4E2039](#) [MA4E2508M-1112](#) [MBR10100CT-BP](#) [MBR1545CT](#) [MMBD301M3T5G](#) [GS1JE-TP](#) [RB160M-50TR](#) [BAS 3010S-02LRH E6327](#)  
[BAT 54-02LRH E6327](#) [NSR05F40QNXT5G](#) [NSVR05F40NXT5G](#) [NTE555](#) [JANS1N6640](#) [SB07-03C-TB-H](#) [SB1003M3-TL-W](#)  
[SBAT54CWT1G](#) [SBM30-03-TR-E](#) [SK310-T](#) [SK33A-TP](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [PDS3100Q-7](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#)  
[MA4E2501L-1290](#) [MBRB30H30CT-1G](#) [BAS 70-02L E6327](#) [DMJ3940-000](#) [SB007-03C-TB-E](#) [SB10015M-TL-E](#) [SB1003M3-TL-E](#) [SK32A-](#)  
[TP](#) [SK33B-TP](#) [SK35A-TP](#) [SK38B-LTP](#) [SK38B-TP](#) [NTE505](#) [NTSB30U100CT-1G](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#)  
[ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA140-HF](#) [ACDBA2100-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#) [BAT54-](#)  
[13-F](#) [ACDBA340-HF](#) [ACDBA260LR-HF](#)