

SS22AD THRU SS210AD

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 20 to 100 V

Forward Current - 2 A

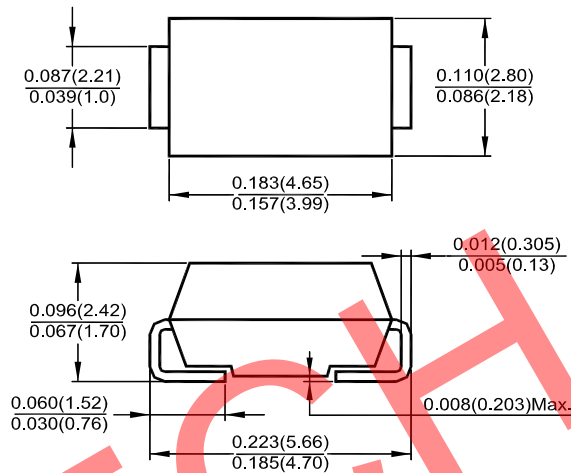
Features

- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- The plastic package carries Underwriters Laboratory flammability Classification 94V-0
- High forward surge current capability
- Built-in strain relief, ideal for automated placement

Mechanical Data

- **Case:** SMA (DO-214AC) molded plastic body
- **Terminals:** Leads solderable per MIL-STD-750, Method 2026
- **Polarity:** Color band denotes cathode end
- **Mounting Position:** Any

SMA (DO-214AC)



Dimensions in inches and (millimeters)

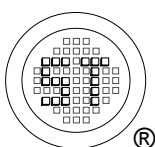
Maximum Ratings and Electrical Characteristics

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave 60 Hz, resistive or inductive load, For capacitive load current derate by 20 %.

Parameter	Symbol	SS22AD	SS23AD	SS24AD	SS25AD	SS26AD	SS28AD	SS210AD	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	V
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	2							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	50							A
Maximum Instantaneous Forward Voltage at 2 A	V_F	0.55		0.75		0.85		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.5							mA
		20		10					
Typical Junction Capacitance ¹⁾	C_j	220			180			pF	
Typical Thermal Resistance ²⁾	$R_{\theta JA}$	75							°C/W
Operating Junction Temperature Range	T_j	- 65 to + 125			- 65 to + 150			°C	
Storage Temperature Range	T_{stg}	- 65 to + 150							°C

¹⁾ Measured at 1MHz and applied reverse voltage of 4 V DC.

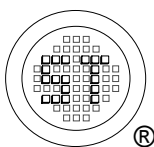
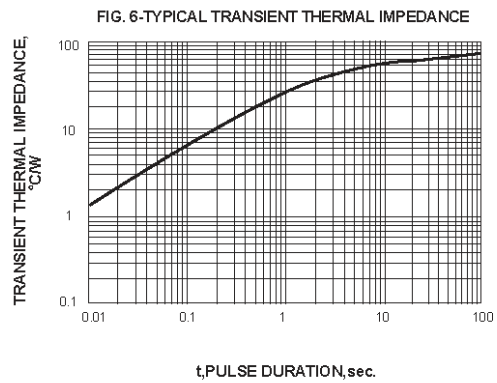
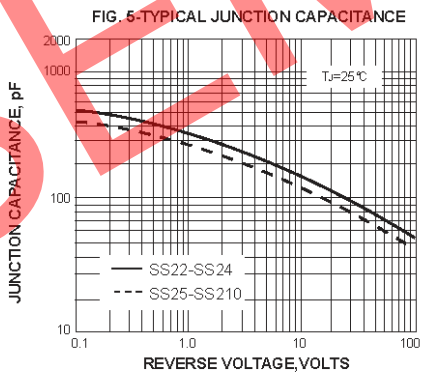
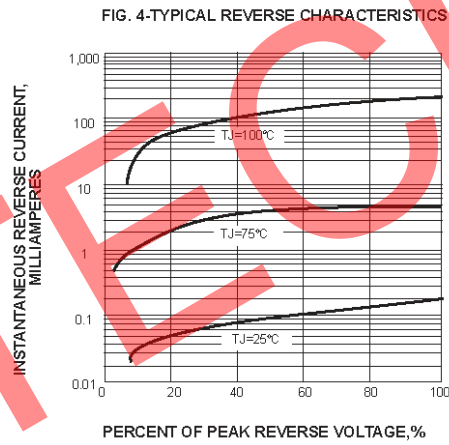
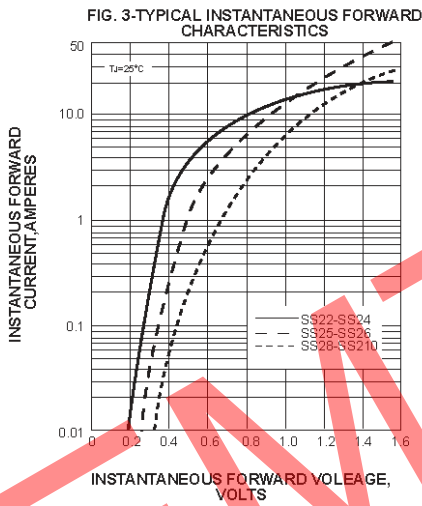
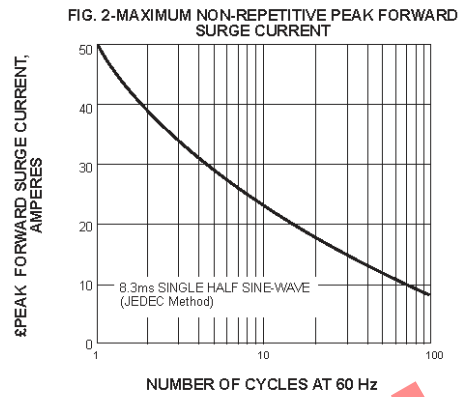
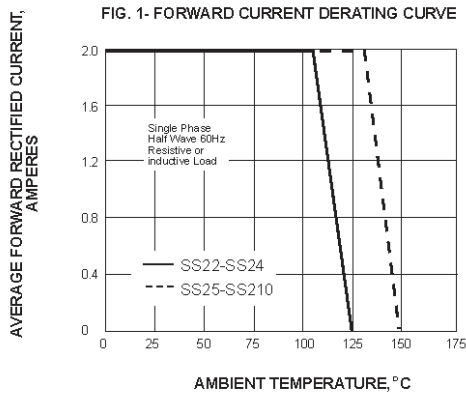
²⁾ P.C.B mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas.



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



SS22AD THRU SS210AD



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



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 [Semtech](#) 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](#) [NRVBM120LT1G](#) [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](#)