SS12-110 SERIES

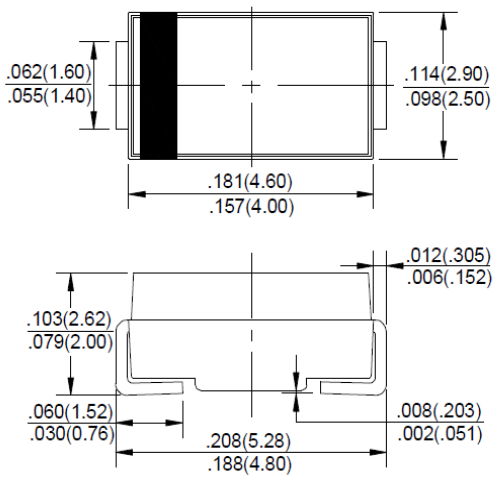
FEATURES

- 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℃/10 seconds at terminals
- The plastic material carries U/L recognition 94V-O

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

SMA



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 ℃ ambient temperature unless otherwise specified.

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

	SYMBOL	SS12	SS13	SS14	SS15	SS16	SS18	SS110	UNITS
Maximum Recurrent 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 9.5mm Lead Length. T_A = 75℃	$I_{(AV)}$	1.0							A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated T_j = 125℃	I_{FSM}	40.0							A
Maximum Forward Voltage at 1.0A DC	V_F	**0.45**	**0.55**		**0.70**		**0.85**		V
Maximum Reverse Current T_A = 25℃	I_R	**0.5**							m A
at Rated DC Blocking Voltage T_A = 100℃		**6.0**			**5.0**				
Typical Junction Capacitance (Note 1)	C_j	**110**			**90**				pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	**88.0**							℃/W
Operating Junction Temperature Range	T_j	— 65 to 125			— 65 to 150				℃
Storage Temperature Range	T_{STG}	— 65 to 150							℃

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

Reverse Voltage： 20 to 100 Volts

Forward Current: 1.0Ampere

FIG.1-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

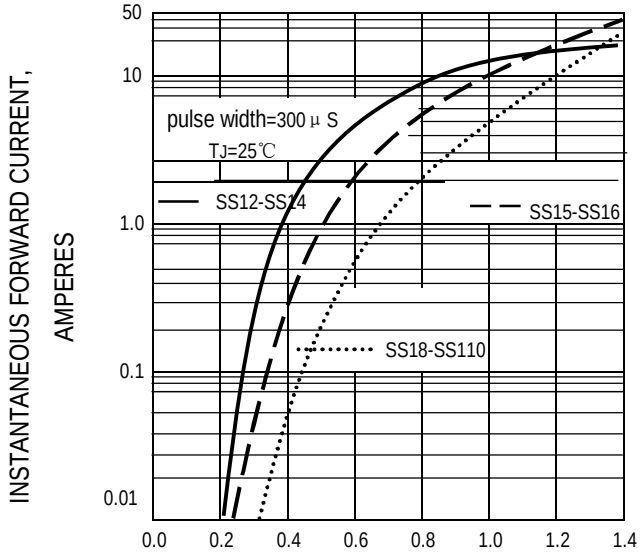


FIG.2-TYPICAL JUNCTION CHARACTERISTICS

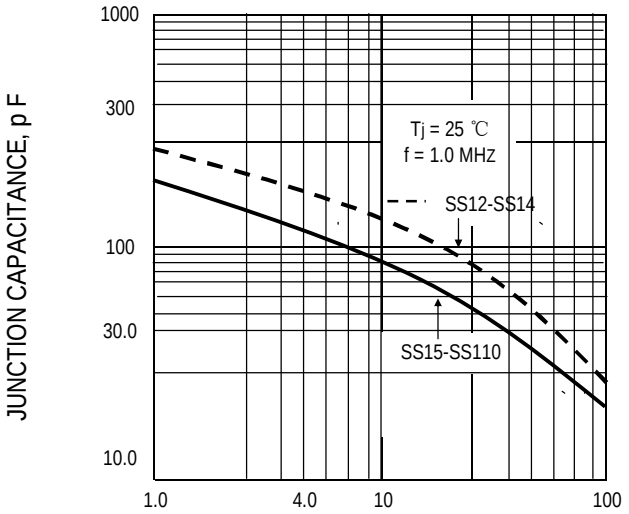


FIG.3-FORWARD CURRENT DERATING CURVE

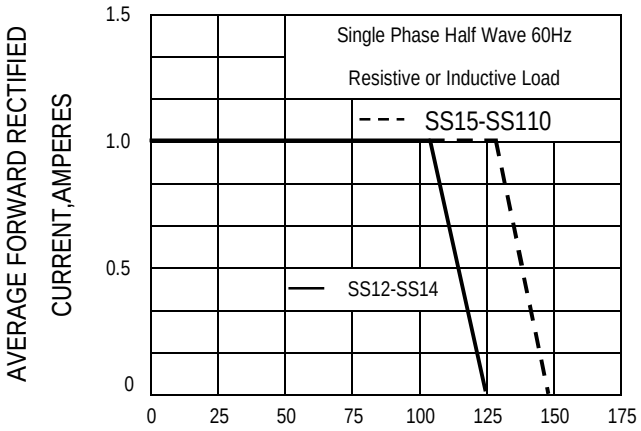
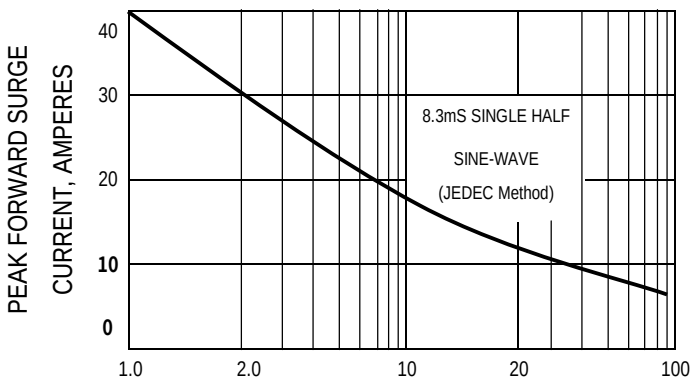


FIG.4-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



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 :

CUS06(TE85L,Q,M) MA4E2039 D1FH3-5063 MBR0530L-TP MBR10100CT-BP MBR30H100MFST1G MMBD301M3T5G PMAD1103-LF PMAD1108-LF RB160M-50TR RB520S-30 RB551V-30 DD350N18K DZ435N40K DZ600N16K BAS16E6433HTMA1 BAS 3010S-02LRH E6327 BAT 54-02LRH E6327 IDL02G65C5XUMA1 NSR05F40QNXT5G NSVR05F40NXT5G JANS1N6640 SB07-03C-TB-H SB1003M3-TL-W SBAT54CWT1G SBM30-03-TR-E SBS818-TL-E SK32A-LTP SK33A-TP SK34A-TP SK34B-TP SMD1200PL-TP ACDBN160-HF SS3003CH-TL-E STPS30S45CW PDS3100Q-7 GA01SHT18 CRS10I30A(TE85L,QM MBR1240MFST1G MBRB30H30CT-1G BAS28E6433HTMA1 BAS 70-02L E6327 HSB123JTR-E JANTX1N5712-1 VS-STPS40L45CW-N3 DD350N12K SB007-03C-TB-E SB10015M-TL-E SB1003M3-TL-E SK110-LTP