

Features

- Low reverse leakage
- High forward surge capability
- High reliability
- High temperature soldering guaranteed:
260°C/10seconds
- Lead and body according with RoHS standard
- Green compound with suffix "-F" on Marking

Mechanical Data

- Case: DO214AC Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free

Maximum Ratings & Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

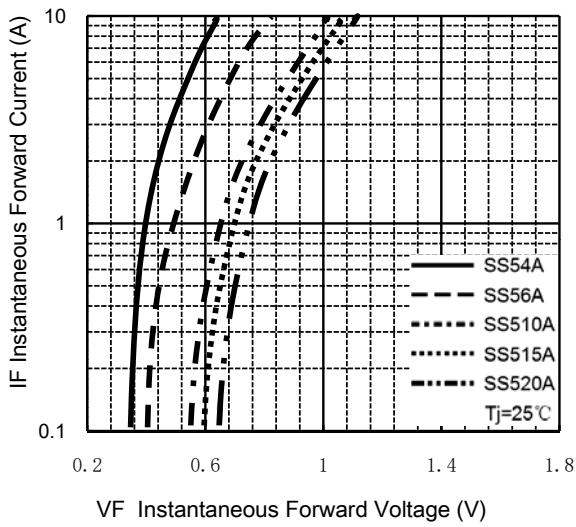
Parameter	Symbols	SS54A	SS56A	SS510A	SS515A	SS520A	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	40	60	100	150	200	V
Maximum RMS voltage	V_{RMS}	28	42	70	105	140	V
Maximum DC blocking voltage	V_{DC}	40	60	100	150	200	V
Maximum average forward rectified current	$I_{F(AV)}$	5.0					A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	125					A
Maximum forward voltage @ $I_F=5.0A$	V_F	0.55	0.70	0.85	0.92	0.95	V
Maximum reverse current @ V_D	I_R	$T_A=25^\circ C$	500	100	50		μA
		$T_A=100^\circ C$	20		10		mA
Typical thermal resistance (Note 1)	$R_{\theta JA}$	60					$^\circ C/W$
	$R_{\theta JL}$	20					
VR=4.0V, f=1MHz Type junction capacitance	C_j	350		380	400		pF
Operating junction	T_j	-55 --- +125		-55 --- +150			$^\circ C$
Storage temperature rang	TSTG	-55 --- +150					$^\circ C$

Note:

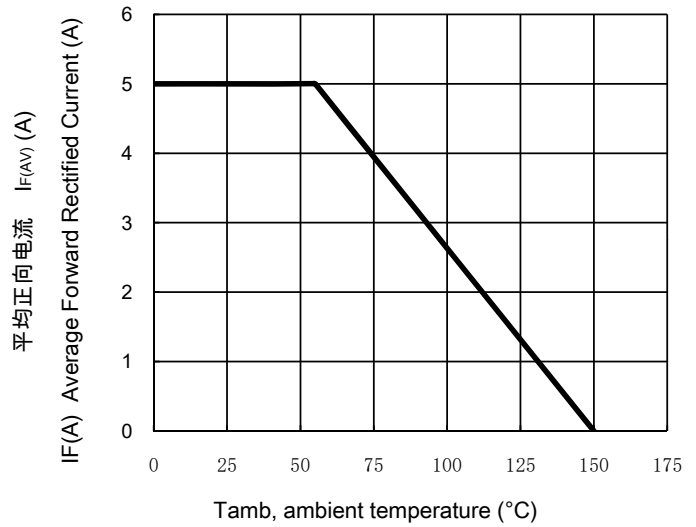
1) Thermal resistance from junction to ambient , PCB mounted.

Characteristic Curves

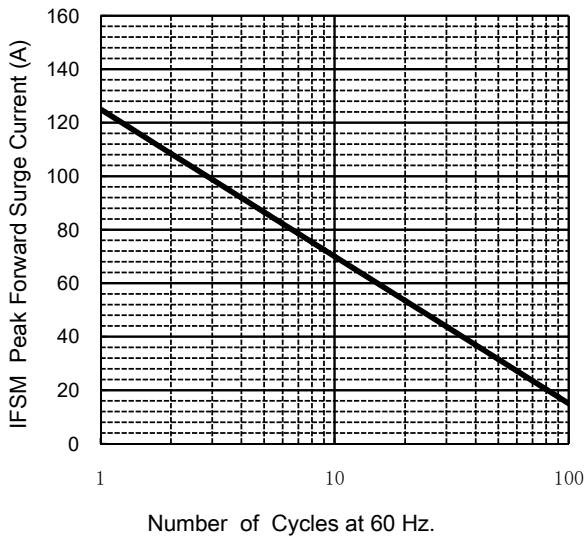
TYPICAL FORWARD CHARACTERISTIC



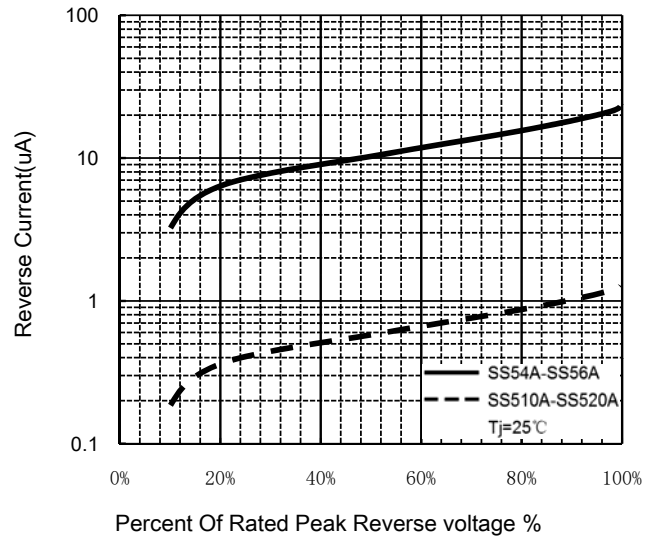
FORWARD CURRENT DERATING CURVE



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



Typical Reverse Characteristics



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 [ZHIDE](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [MA4E2508M-1112](#) [MBR10100CT-BP](#) [MBR1545CT](#) [MMBD301M3T5G](#) [GS1JE-TP](#) [RB160M-50TR](#) [BAS16E6433HTMA1](#)
[BAS 3010S-02LRH E6327](#) [BAT 54-02LRH E6327](#) [NSR05F40QNXT5G](#) [NSVR05F40NXT5G](#) [NTE555](#) [JANS1N6640](#) [SB07-03C-TB-H](#)
[SBS818-TL-E](#) [SK310-T](#) [SK33A-TP](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [PDS3100Q-7](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#) [MA4E2501L-1290](#)
[MBRB30H30CT-1G](#) [DMJ3940-000](#) [SB007-03C-TB-E](#) [SK32A-TP](#) [SK33B-TP](#) [SK35A-TP](#) [SK38B-LTP](#) [SK38B-TP](#) [NRVBM120LT1G](#)
[NTE505](#) [NTSB30U100CT-1G](#) [SS0503SH-TL-E](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#) [ACDBA1100LR-HF](#) [ACDBA1200-HF](#)
[ACDBA2100-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#) [ACDBA260LR-HF](#) [ACDBA1100-HF](#) [MA4E2502L-1246](#)
[10BQ060-M3/5BT](#) [NRVB130LSFT1G](#) [CRS08TE85LQM](#)