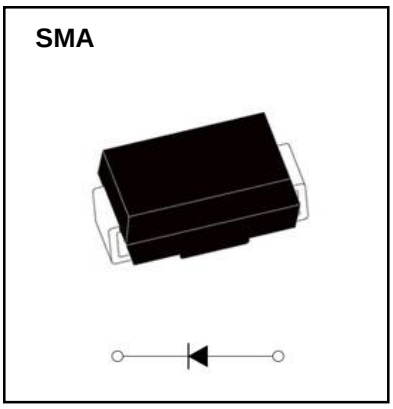
Features

- $I_{F(AV)}$ 2A
- V_{RRM} 20V-200V
- High surge current capability
- Polarity: Color band denotes cathode



Applications

- Rectifier

Marking

- SS2X

  X：From 2 To 20

Limiting Values(Absolute Maximum Rating)

Item	Symbol	Unit	Test Conditions	SS2								
				2	3	4	5	6	8	10	15	20
Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40	50	60	80	100	150	200
Maximum RMS Voltage	V_{RMS}	V		14	21	28	35	42	56	70	105	140
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load	2.0								
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave, 1 cycle, Ta=25℃	50								
Junction Temperature	T_J	℃		-55~+125				-55~+150				
Storage Temperature	T_{STG}	℃		-55 ~ +150								

Electrical Characteristics (T =25℃ Unless otherwise specified)

Item	Symbol	Unit	Test Condition		SS2							
					2	3	4	5	6	8	10	15	20
Peak Forward Voltage	V_F	V	I_F=2.0A		0.55			0.70		0.85		0.95	
Peak Reverse Current	I_{RRM1}	mA	$V_{RM}=V_{RRM}$	Ta=25℃	0.5					0.1			
	I_{RRM2}			Ta=100℃	10					5.0			
Thermal Resistance	$R_{\theta J-A}$	℃/W	Between junction and ambient		88								
	$R_{\theta J-L}$		Between junction and terminal		28								
Juction Capacitance (Typical)	Cj	pF	Measured at 1MHZ and Applied Reverse Voltage of 4.0 V.D.C		114			92		53		40	

FIG.1: FORWARD CURRENT DERATING CURVE

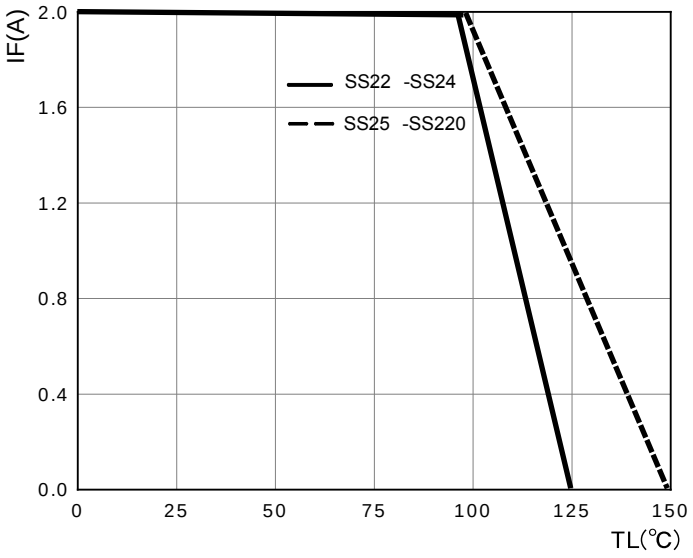
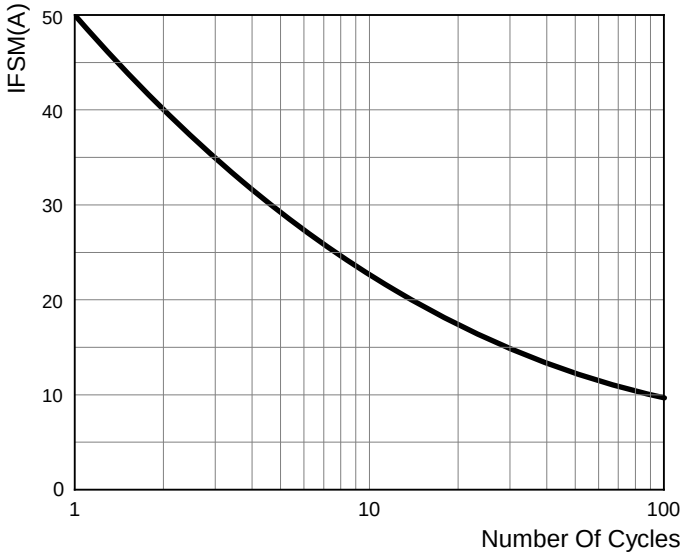
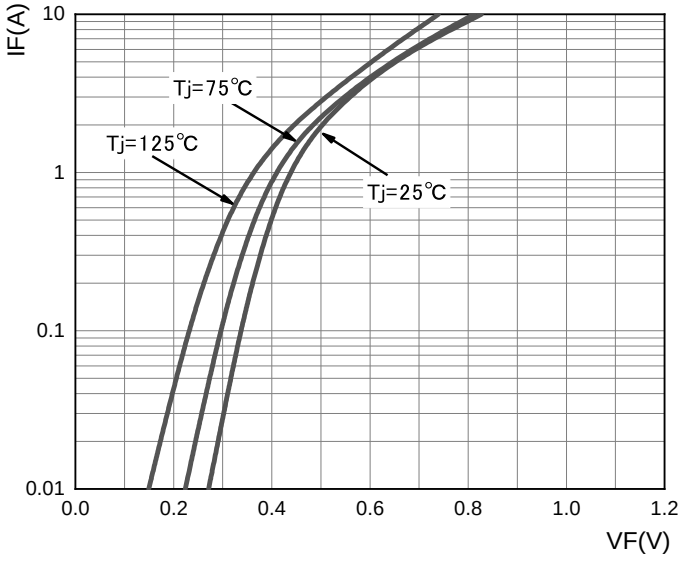


FIG 2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



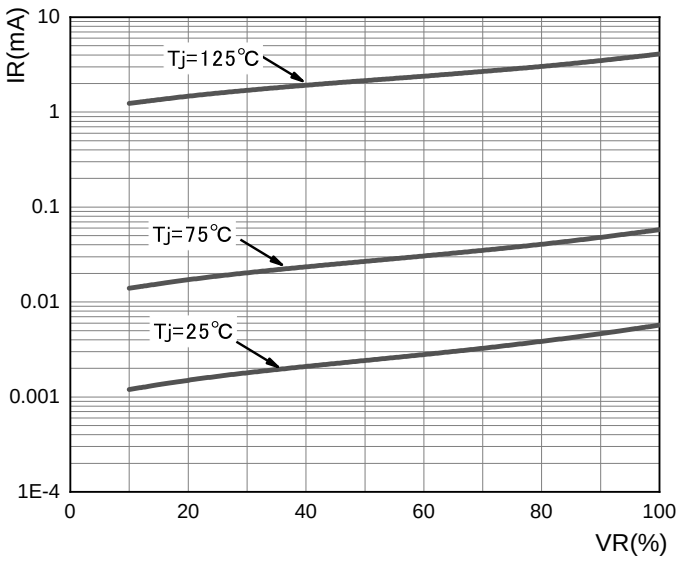
SS22-SS24

FIG.3: TYPICAL FORWARD CHARACTERISTICS



SS22-SS24

FIG.4: TYPICAL REVERSE CHARACTERISTICS



SMA Package Outline Dimensions

