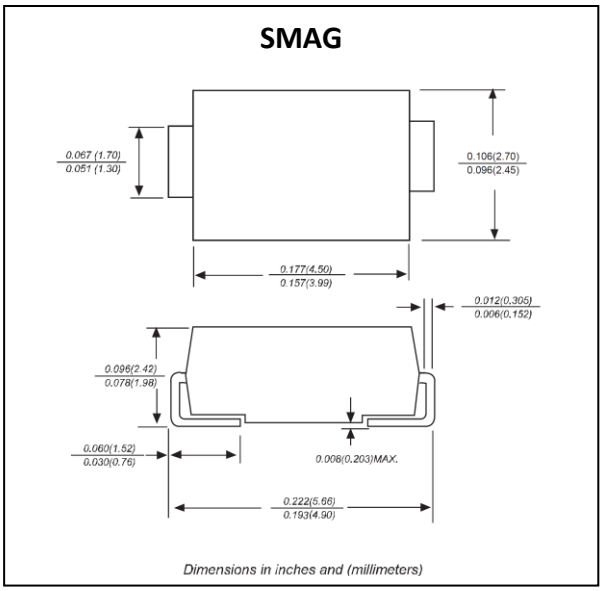
SS22A-SS220A

20~200V-2A Schottky Rectifier

SS22A-SS220A Schottky Rectifier



Feature

- High current capability
- Low VF
- High surge current capability

Application

- Rectifier

Marking

- SS2X
  X: From 2 To 20

ABSOLUTE MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

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

ELECTRICAL CHARACTERISTICS (T_a=25℃ unless otherwise noted)

Parameter	Symbol	Test Condition		SS2									Unit
				2	3	4	5	6	8	10	15	20	
Peak Forward Voltage	V_F	I_F =1A		0.55			0.70		0.85		0.95		V
Peak Reverse Current	I_{RRM1}	V_{RM}=V_{RRM}	T_a=25℃	0.5					0.1				mA
	I_{RRM2}		T_a=100℃	10			5.0						mA
Thermal Resistance(Typical)	$R_{\theta J-A}$	Between junction and ambient		75									℃/W
	$R_{\theta J-L}$	Between junction and terminal		17									℃/W

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

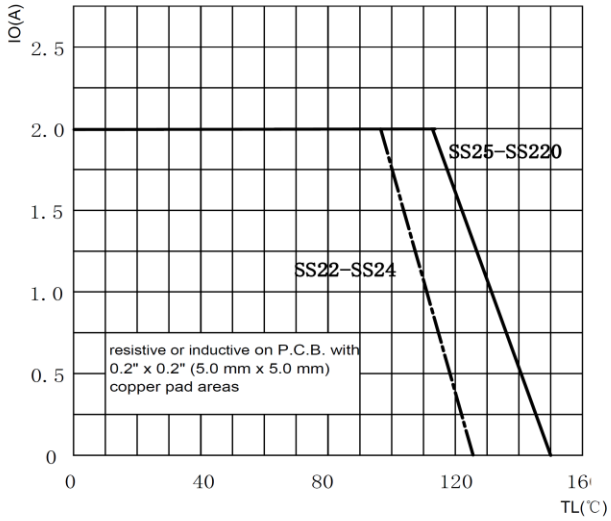


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

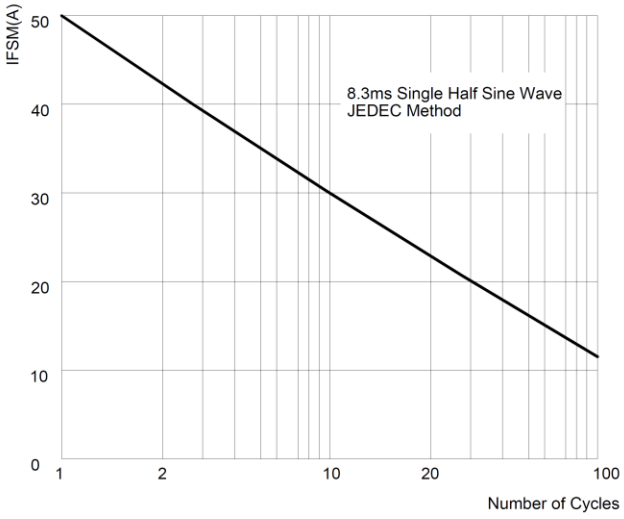


FIG.3: TYPICAL FORWARD CHARACTERISTICS

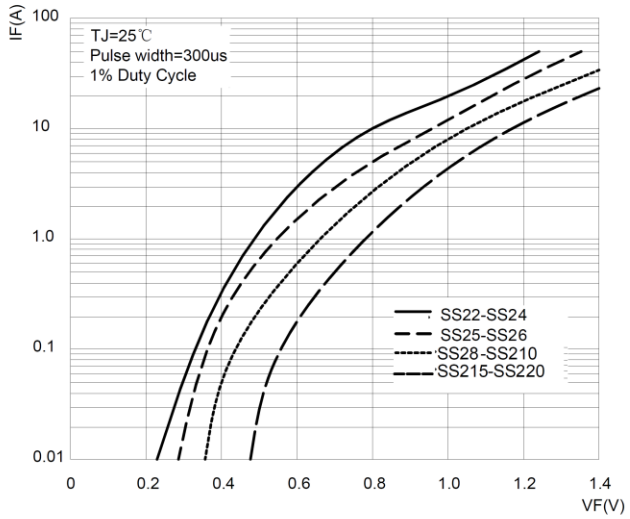


FIG.4：TYPICAL REVERSE CHARACTERISTICS