



M1-M7 General Purpose Rectifier

Feature

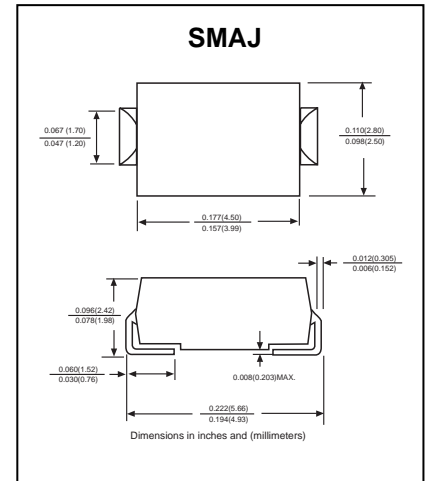
- I_o 1A
- V_{RRM} 50V-1000V
- Low reverse leakage
- High surge current capability

Application

- Rectifier

Application

- MX
- X : From 1 To 7



ABSOLUTE MAXIMUM RATINGS ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	M							Unit
		1	2	3	4	5	6	7	
Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Average Forward Current 60Hz Half-sine wave, Resistance load, $T_a=75^\circ\text{C}$	$I_{F(AV)}$	1							A
Non-repetitive Peak Forward Surge Current 60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	I_{FSM}	30							A
Junction Temperature	T_J	-55 ~ +150							$^\circ\text{C}$
Storage Temperature	T_{STG}	-55 ~ +150							$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Test Condition	M							Unit
			1	2	3	4	5	6	7	
Peak Forward voltage	V_{FM}	$I_F=1A$	1							V
Peak Reverse Current	I_{RRM1}	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$		5					μA
	I_{RRM2}		$T_a=125^\circ\text{C}$		50					μA
Thermal Resistance (Typical)	$R_{\theta J-A}$	Between junction and ambient	55							$^\circ\text{C}/\text{W}$
	$R_{\theta J-L}$	Between junction and lead	25							$^\circ\text{C}/\text{W}$

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) copperpad areas .

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

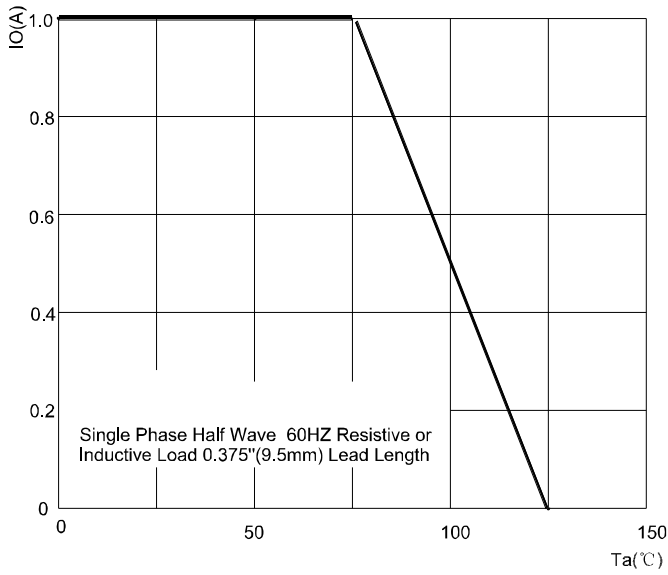


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

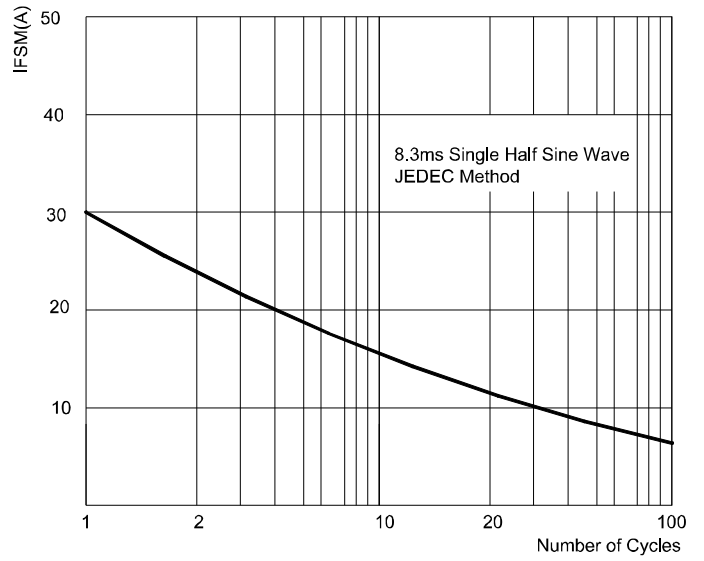


FIG.3: TYPICAL FORWARD CHARACTERISTICS

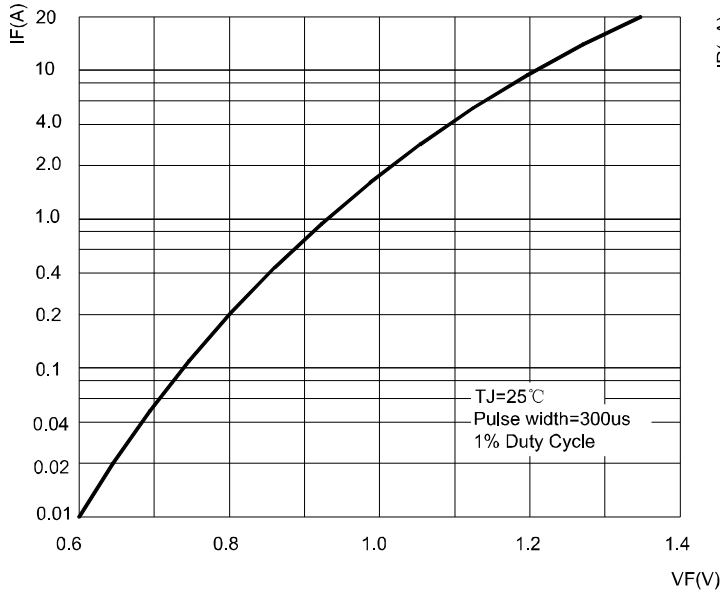
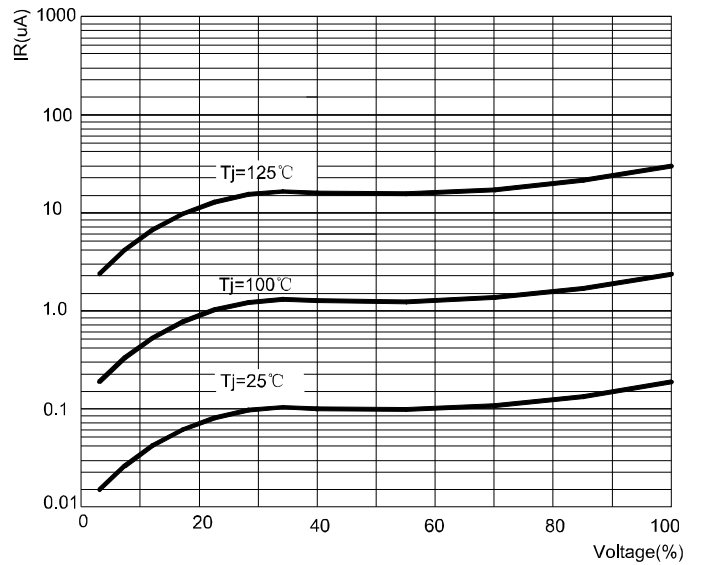


FIG.4: TYPICAL REVERSE CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)