

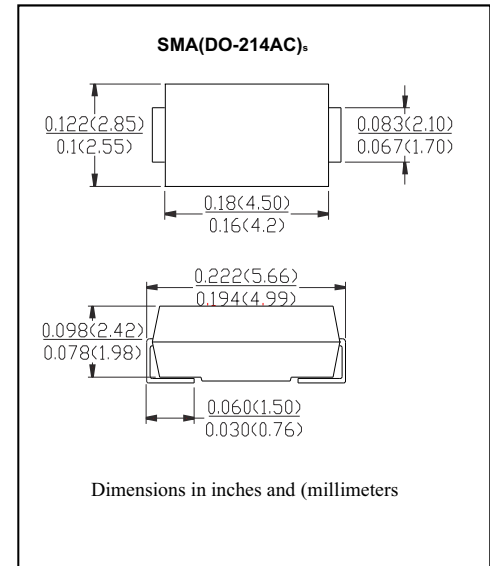
SURFACE MOUNT RECTIFIER

FEATURES

- For surface mounted applications in order to optimize board space
- Low profile package
- Built –in strain relief , ideal for automated placement
- Plastic package has underwrites laboratory flammability classification 94v-0
- High temperature soldering guaranteed: 250 °C/10 seconds at terminals

MECHANICAL DATA

- Case: JEDED SMA(DO-214ACs) molded plastic
- Terminals: Plated axial lead solderable per MIL-STD-750, method 2026
- Polarity: Color band denotes cathode end .
- Mounting Position: Any.
- Weight: 0.002 ounce, 0.064 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load derate current by 20%.

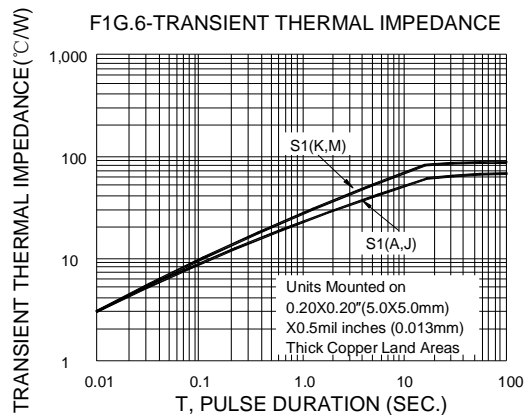
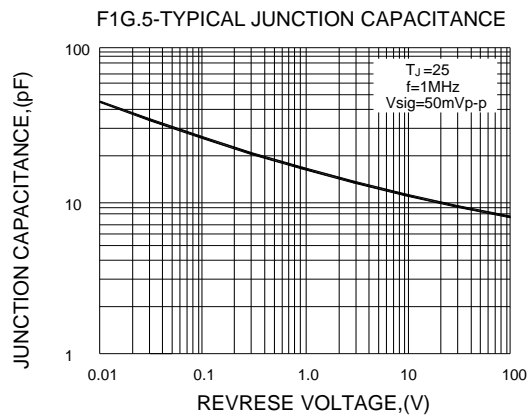
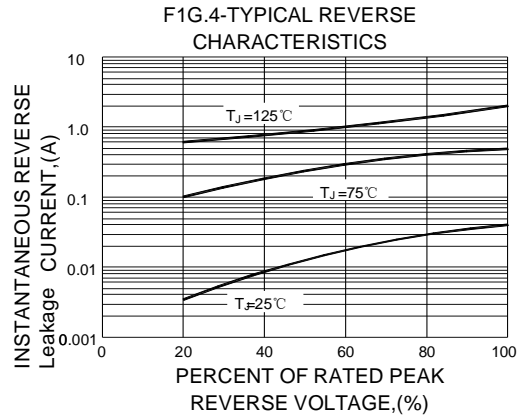
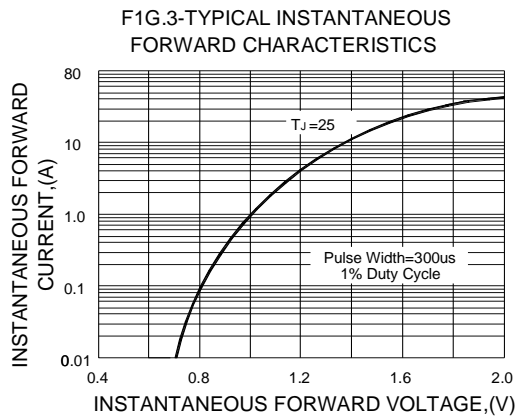
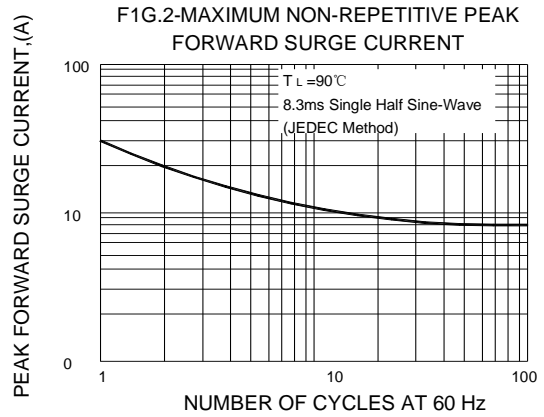
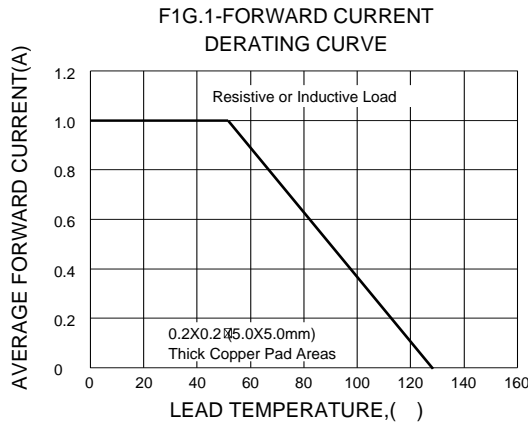
PARAMETER	SYMBOLS	M1	M2	M3	M4	M5	M6	M7	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current, at $T_L=50^\circ\text{C}$	I(AV)	1							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30.0							Amps
Maximum Instantaneous Forward Voltage at 1.0A	V _F	1.1							Volts
Maximum DC Reverse Current at rated DC blocking voltage at	T _A =25 °C	IR	1.0				5.0		μA
			50						
Maximum Reverse Recovery Time(Note2)	TRR	1.8							mS
Maximum Thermal Resistance (Note 1)	RQJA	75.0				85.0		°C/W	
	RQJL	27.0				30.0			
Operating and Storage Temperature Range	T _j , T _{stg}	-55 to +125							°C

NOTES:

1. Thermal resistance from junction to ambient and from junction to lead mounted on 0.230.2”(5.035.0mm) copper pad areas.
2. Reverse recovery test condition, I_F=0.5A I_R=1.0A I_{RR}=0.25A.

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RATINGS AND CHARACTERISTIC CURVES M1 - M7



Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.