

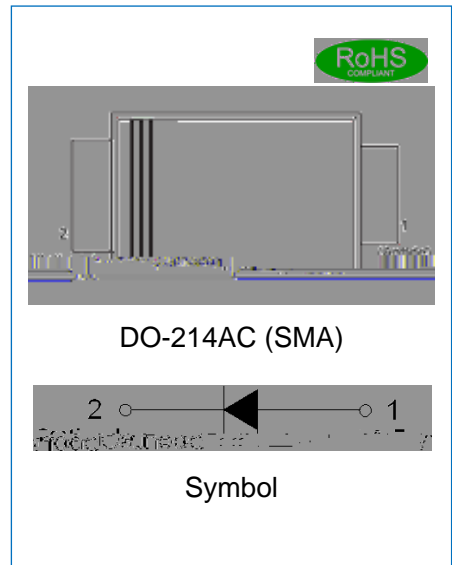


SM520A GENERAL PURPOSE RECTIFIER

Rev.2.2

DESCRIPTION:

- Plastic package has underwriters laboratories flammability classification 94V-0
- For surface mounted applications in order to optimize board space
- Glass passivated chip junction
- Lead free in compliance with EU RoHS 2011/65/EU directive



MECHANICAL DATA

- Case: JEDEC DO-214AC molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Polarity: Color band denotes cathode end
- Weight: 0.0673 gram

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	SM520A	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	2000	V
Maximum RMS voltage	V_{RMS}	1400	V
Maximum DC blocking voltage	V_{DC}	2000	V
Maximum average forward current at $T_L=100$	$I_{F(AV)}$	1	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	30	A
Maximum forward voltage @ $I_F=1A$	V_F	1.15	V
Maximum DC reverse current at rated DC blocking voltage	$T_j=25$	I_R	5
	$T_j=150$		400
Typical junction capacitance $V_R=4.0V, f=1MHz$	C_J	8	pF
Operating junction and storage temperature range	T_j, T_{stg}	-55 to +150	

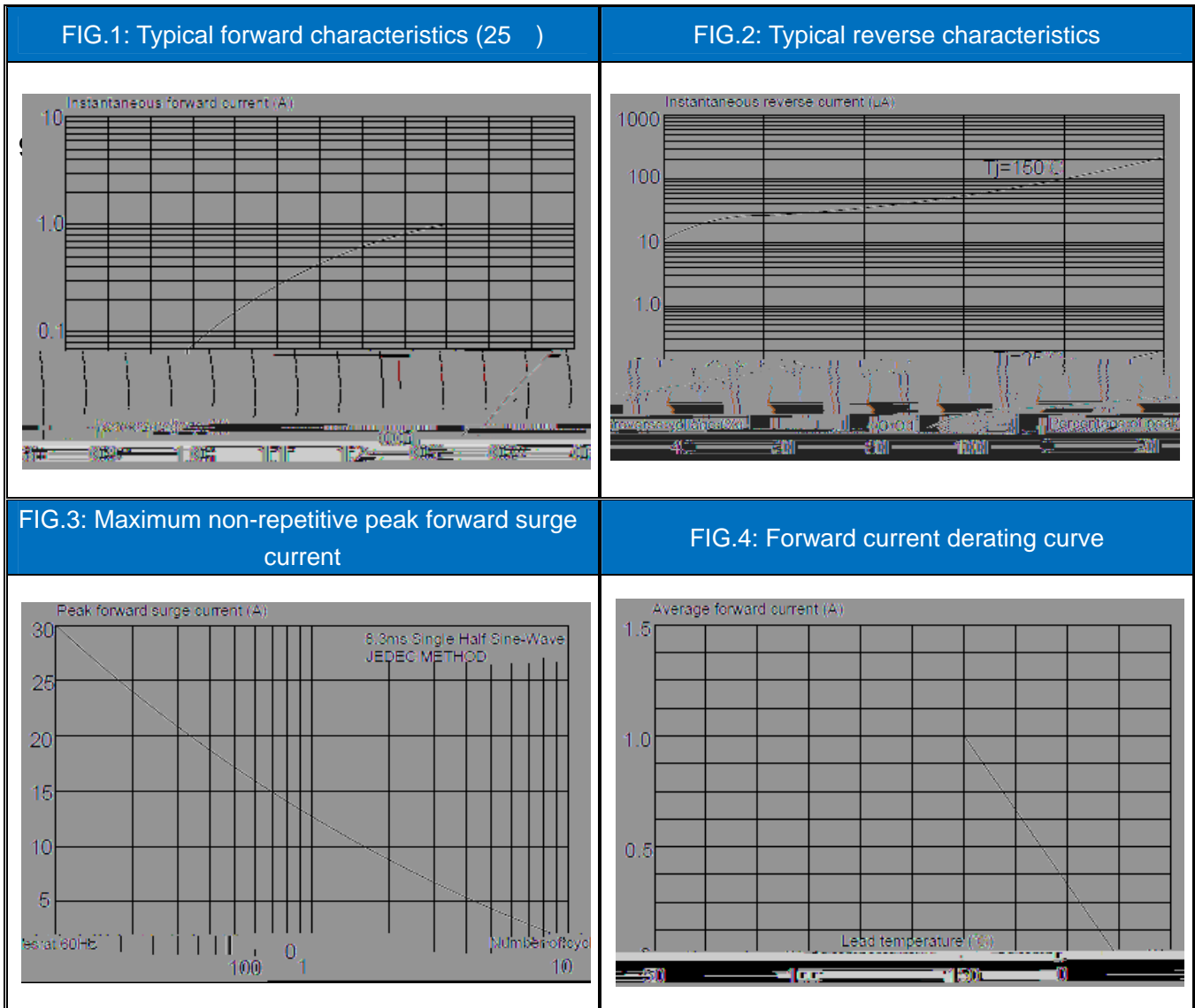
SM520A



JieJie Microelectronics CO. , Ltd

TAPE AND REEL SPECIFICATION-SMA

CHARACTERISTICS CURVE




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