

S3A THRU S3M

SURFACE MOUNT GLASS PASSIVATED JUNCTION RECTIFIER

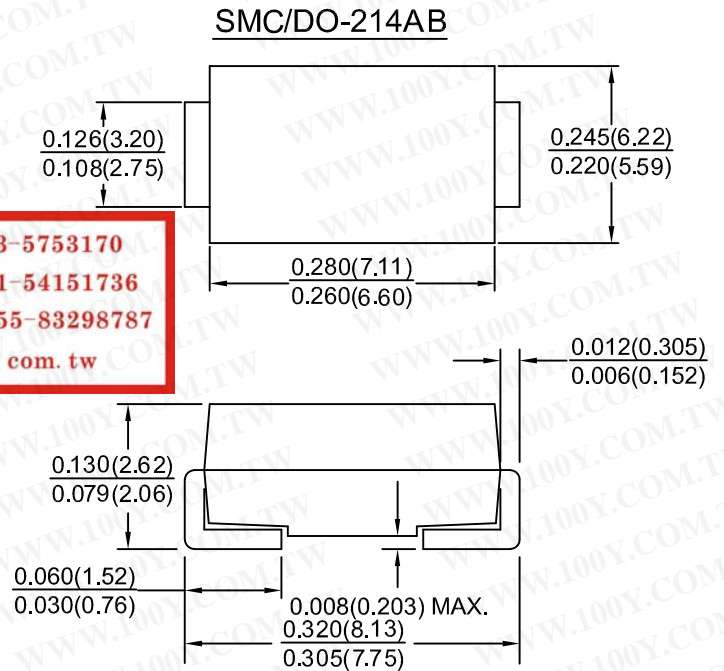
FEATURES:

- For surface mounted applications
- Low profile package
- Built-in stain relief
- Easy pick and place
- Flammability Classification
- High temperature soldering:
250°C /10 second at terminals

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

MECHANICAL DATA

Case: JEDEC DO-214AB molded plastic
 Terminals: Solder plated solderable per MIL-STD-750, Method 2026
 Polarity: Indicated by cathode band
 Standard Packaging: 16mm tape (EIA STD EIA-481)
 Weight: 0.007 ounces, 0.21 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

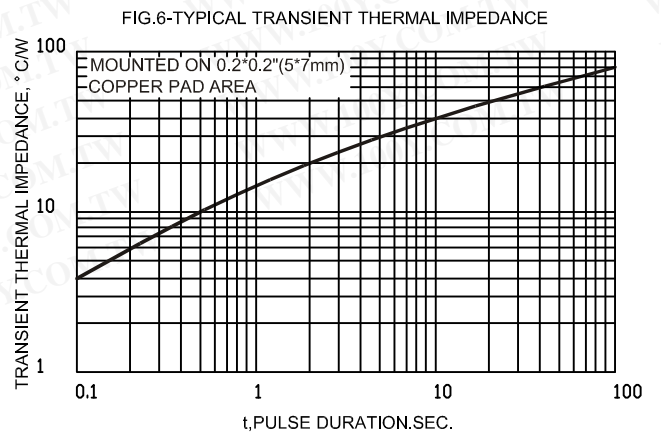
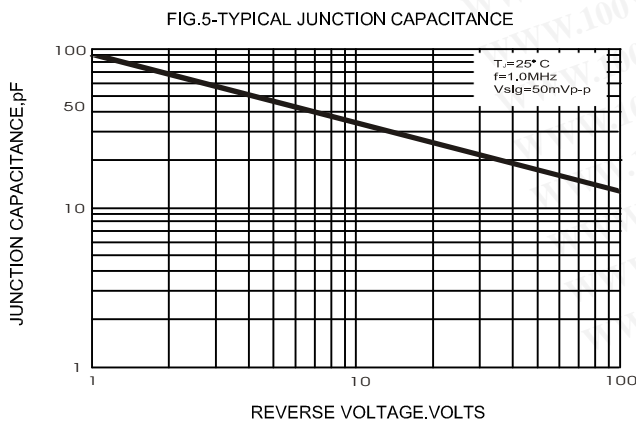
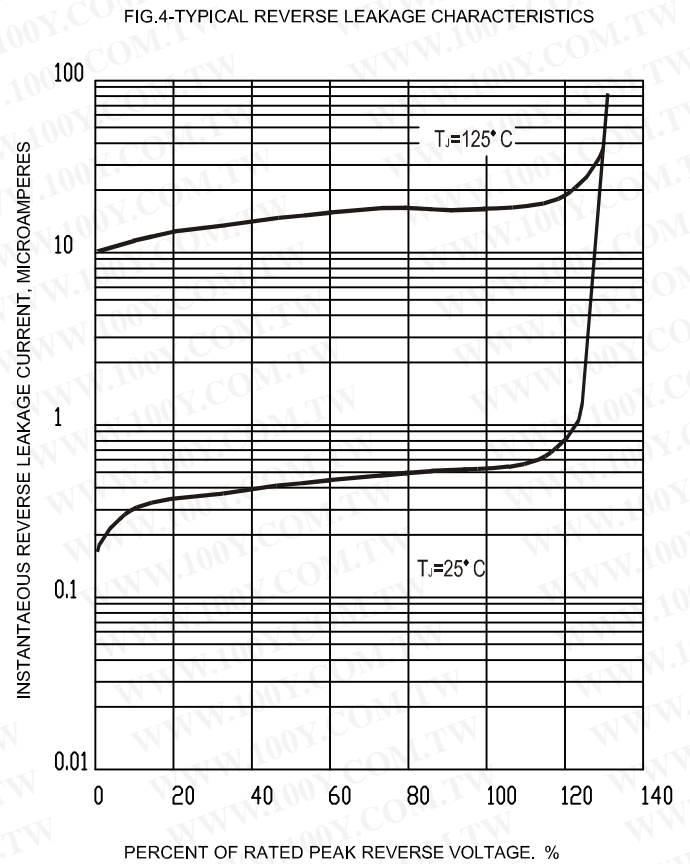
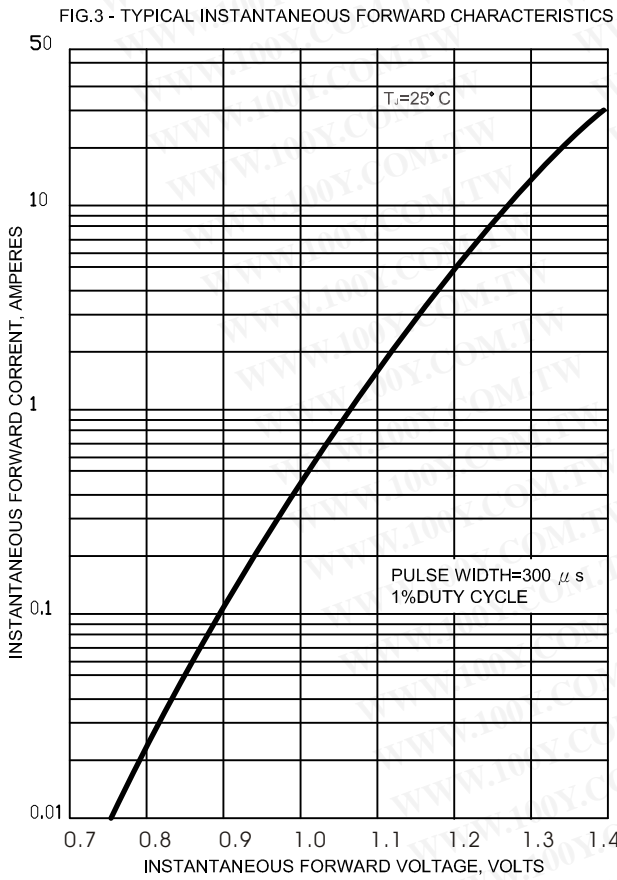
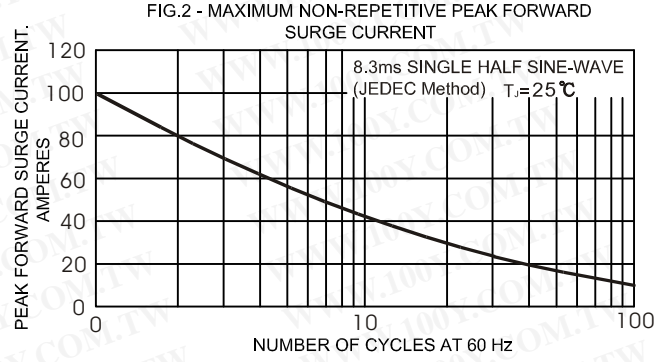
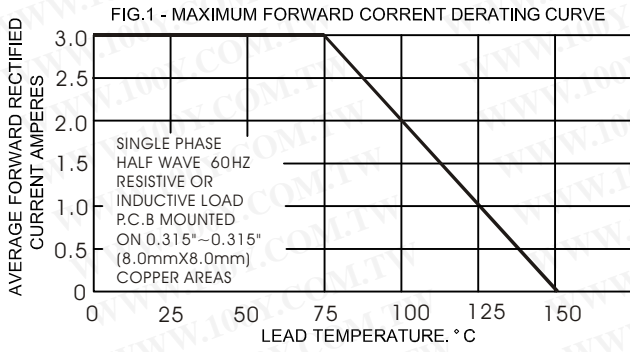
Rating at 25° C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	S3A	S3B	S3D	S3G	S3J	S3K	S3M	Units
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at T _L = 75° C	I <sub(av)< sub=""></sub(av)<>	3.0							Amps
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	100							Amps
Maximum instantaneous forward voltage drop per leg at 3.0A	V _F	1.2							Volts
Maximum DC reverse current at rated DC blocking voltage T _a = 25° C T _a = 125° C	I _R	5.0 250.0							μ A
Typical Junction Capacitance (NOTE 2)	C _J	60.0							PF
Maximum reverse recovery time (NOTE 1)	T _{RR}	2.5							μs
Typical thermal resistance (NOTE 3)	R _{th JL} R _{th JA}	13 47							° C/W
Operating Junction and storage temperature range	T _J , T _{stg}	-65 to +150							° C

NOTE :

1. Reverse recovery test conditions: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts
3. Thermal resistance junction to case per leg mounted on heatsink

RATINGS AND CHARACTERISTIC CURVES S3ATHRU S3M



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