

M1 THRU M7

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

FEATURES:

- Ideal for surface mount applications
- Easy pick and place
- Built-in strain relief
- Glass passivated Chip

MECHANICAL DATA

Case : Molded plastic use UL 94V-0 recognized flame

retardant epoxy

Terminals : Plated terminals,solderable per MIL-STD-202,

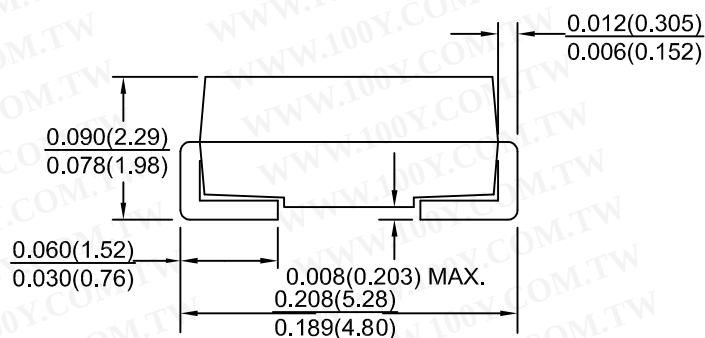
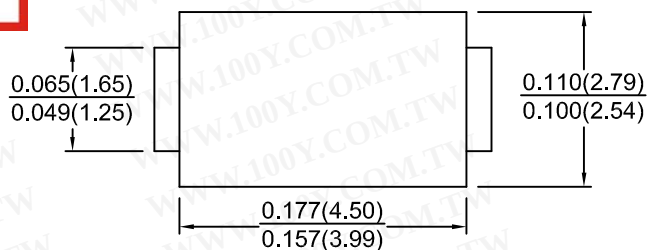
Method 208

Polarity : White color band and logo on body denotes cathode

Mounting Position : Any

Weight : 0.063 grams, 0.0026 ounce

SMA/DO-214AC



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	M1	M2	M3	M4	M5	M6	M7	Units
Maximum recurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	520	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at TL=125° C	Io	1.0							Amps
Peak forward surge current single sine-wave on rated load(JEDEC Method)	IFSM	30.0							Amps
Maximum instantaneous forward voltage drop at 1.0 A	VF	1.1							Volts
Maximum DC reverse current Ta=25° C Ta=125° C	IR	5.0 50.0							μ A
Typical thermal resistance	Rth-JA Rth-JL	80 26							° C/W
Typical junction capacitance	Cj	15.0							pF
Operating junction temperature range	Tj	-65 to +175							° C
Storage temperature range	Tstg	-65 to +175							° C

