

RL201 THUR RL207 SILICON RECTIFIER

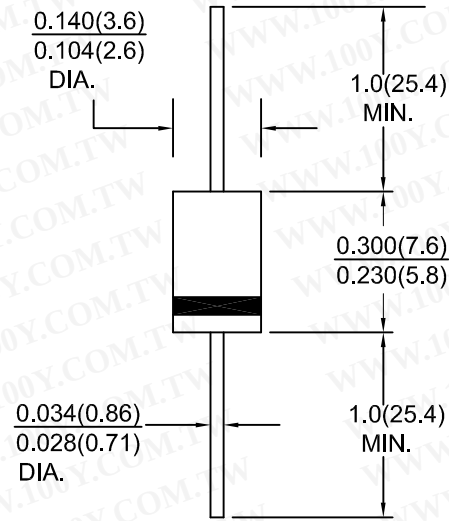
DO-15

FEATURES:

- Plastic package Underwriters Laboratory Flammability Classification 94-0
- Construction plastic technique molded plastic technique
- Low reverse leakage, high efficiency
- Low forward voltage drop
- High temperature soldering guaranteed: 250°C/10 seconds, 0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case : JEDEC ITO-220AC molded plastic
Terminals : Leads solderable per MIL-STD-750
Method 2026
Polarity : As marked
Mounting Position : Any
Mounting Torque 5 in - lbs. max
Weight : 0.08 ounce, 2.24 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Characteristic	Symbol	RL 201	RL 202	RL 203	RL 204	RL 205	RL 206	RL 207	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 blocking voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current 0.375"(9.5mm) lead length at T _c =55°C	I _o	2.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	70.0							Amps
Maximum Instantaneous forward voltage IF=2.0A	V _F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage Ta=25°C Ta=100°C	I _R	5.0 50.0							μ A
Typical thermal resistance (NOTE1)	R _{th-JC}	50.0							°C/W
Typical junction capacitance (NOTE2)	C _J	20.0							Pf
Operating junction and Storage temperature range	T _J , T _{stg}	-65to+175							°C

NOTES:

- (1) Thermal resistance from junction to AMBIENT AT 0.375"(9.5MM) lead length, P.C.B. Mounted
(2) Measured at 1 MHZ and applied reverse voltage of 4.0V D.C.

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)

RATINGS AND CHARACTERISTIC CURVES RL201 THRU RL207

FIG.1 - TYPICAL FORWARD CURRENT DERATING CURVE

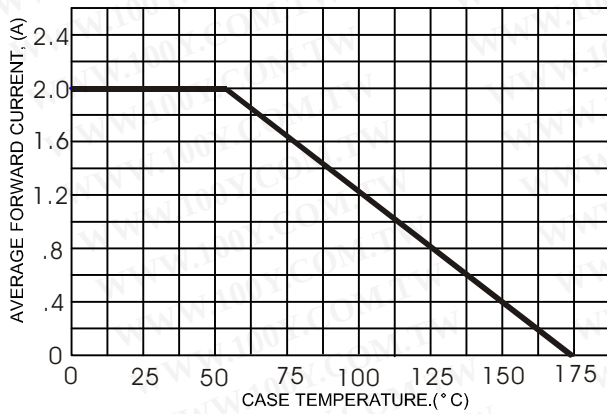


FIG.2 - TYPICAL FORWARD CHARACTERISTICS

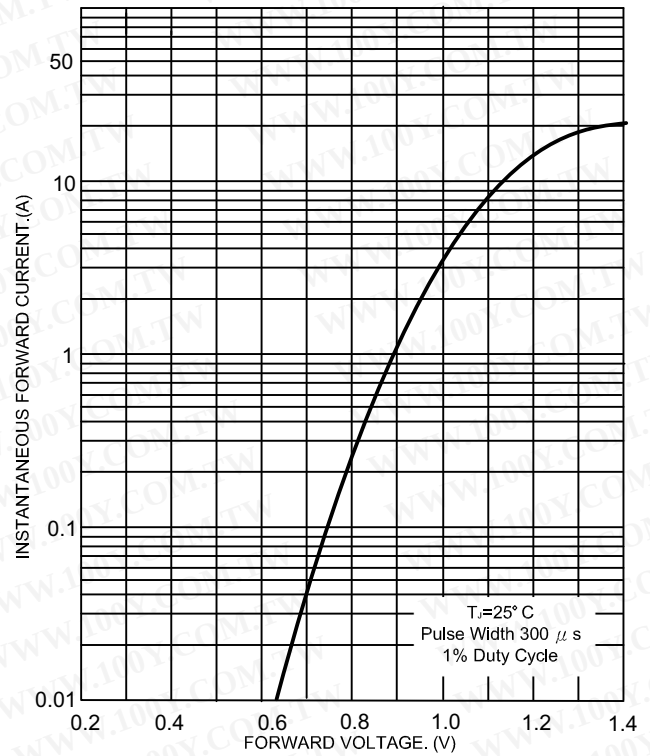


FIG.3 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

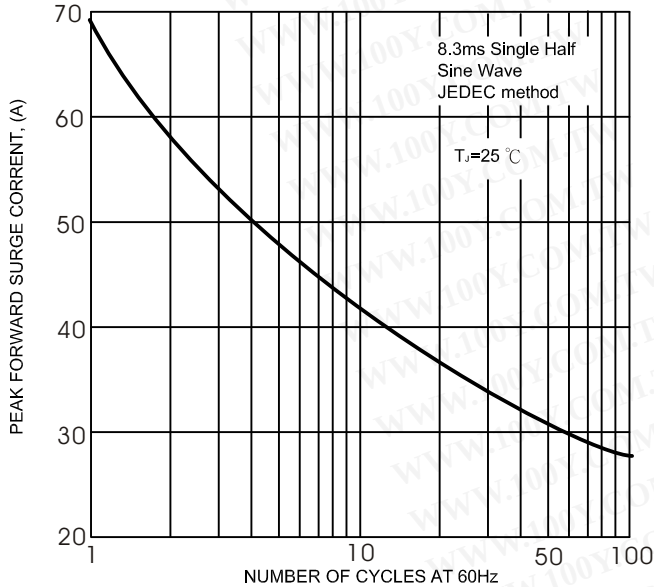


FIG.4 - TYPICAL JUNCTION CAPACITANCE

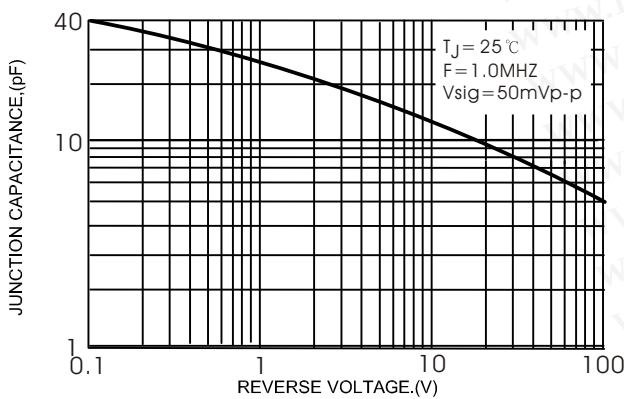


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

