

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)

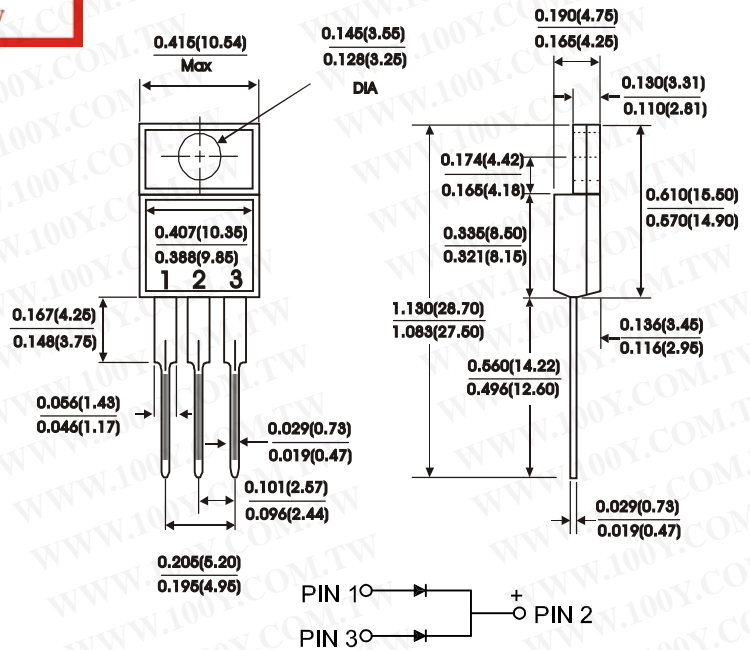
**FEATURES:**

- Plastic package Underwriters Laboratory Flammability Classification 94V-0
- Dual rectifier construction, positive centertap
- Metal silicon junction Majority carrier conduction
- Low power loss, high efficiency
- High current capability, low forward voltage drop
- High temperature soldering guaranteed: 250°C/10 seconds, 0.25"(6.35mm) from case

**MECHANICAL DATA**

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

**ITO-220AB**



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	SRLF25L20CT	SRLF25L25CT	SRLF25L30CT	Units
Maximum recurrent peak reverse voltage	$V_{RRM}$	20	25	30	Volts
Maximum RMS voltage	$V_{RMS}$	14	17	21	Volts
Maximum DC blocking voltage	$V_{DC}$	20	25	30	Volts
Maximum average forward rectified current at $T_c = 105^\circ C$	$I_{(AV)}$	25			Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)(Per leg)	$I_{FSM}$	180			Amps
Maximum instantaneous forward voltage (Per leg)(NOTE 2) $I_F = 12.5A$	$V_F$	0.49			Volts
Maximum instantaneous reverse current at rated DC blocking voltage(Per leg)(NOTE 2) $T_c = 25^\circ C$ $T_c = 100^\circ C$	$I_R$	0.90 50			mA
Typical thermal resistance (Per leg)(NOTE 1)	$R_{th-JC}$	4.0			°C/W
Operating temperature range	$T_J$	-40to +125			°C
Storage temperature range	$T_{Stg}$	-40to +125			°C

NOTES:  
 (1) Thermal resistance from junction to case  
 (2) Pulse test : 300 us pulse width, 1% duty cycle  
 (3) Marking :  $\frac{SRLF25L20CT}{Symbol} = \frac{SRLF25L20}{Marking}$  (Whitout Marking "CT")

# RATINGS AND CHARACTERISTIC CURVES SRLF25L20CT THRU SRLF25L30CT

FIG.1 - TYPICAL FORWARD CURRENT DERATING CURVE

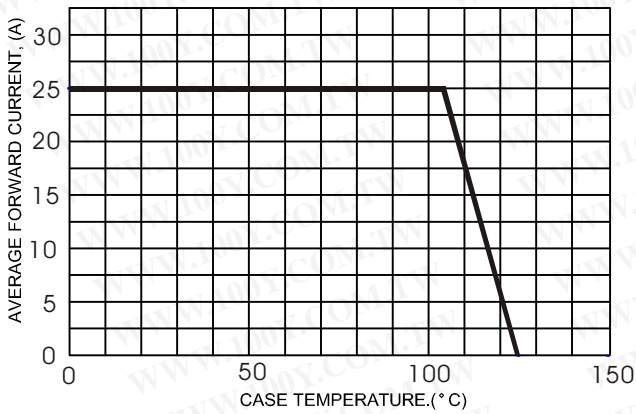
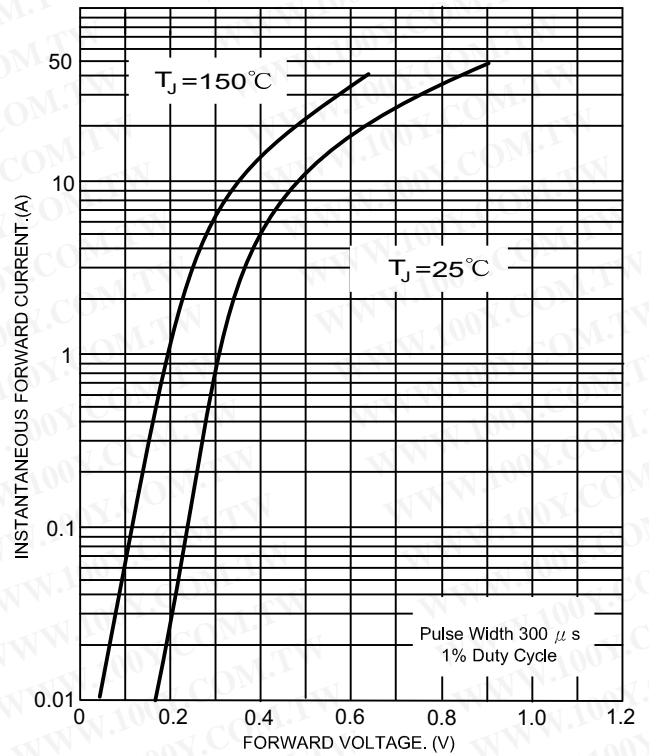


FIG.2 - TYPICAL FORWARD CHARACTERISTICS



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)

FIG.3 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

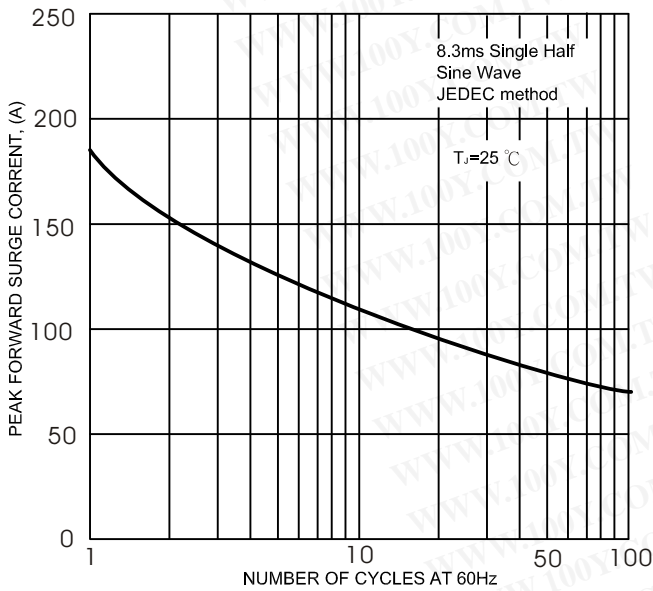


FIG.4- TYPICAL JUNCTION CAPACITANCE

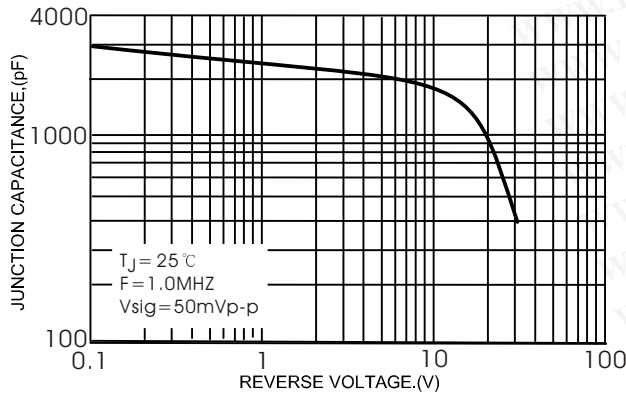


FIG.5- TYPICAL REVERSE CHARACTERISTICS

