

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)

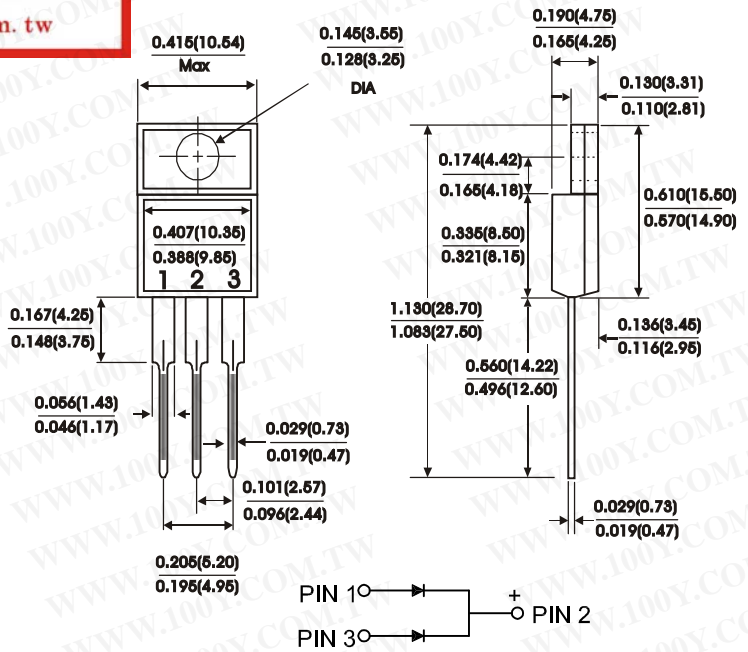
FEATURES:

- 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)

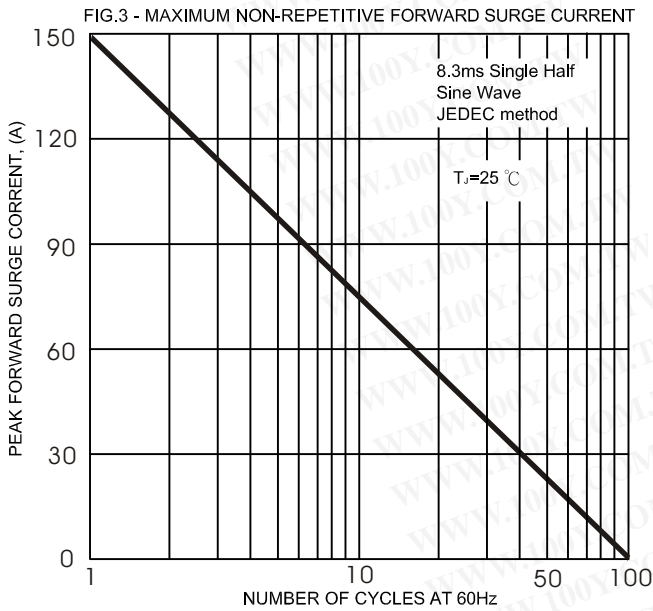
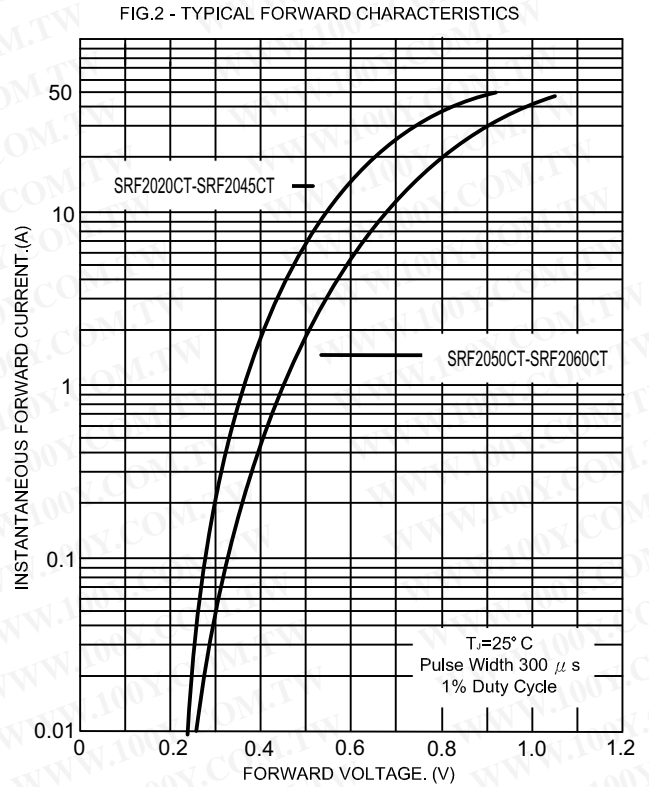
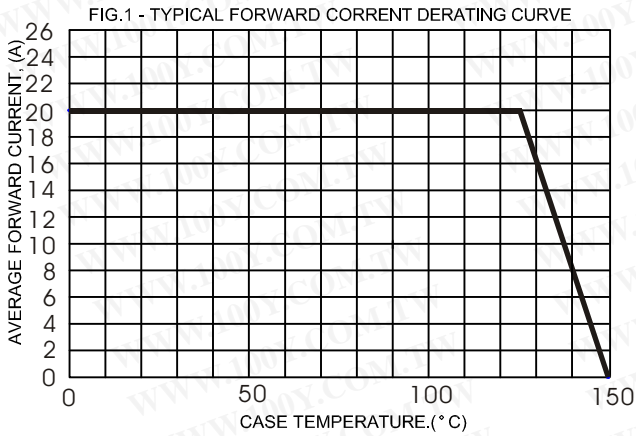
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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	SRF 2020CT	SRF 2030CT	SRF 2035CT	SRF 2040CT	SRF 2045CT	SRF 2050CT	SRF 2060CT	Units
Maximum recurrent peak reverse voltage	V _{RRM}	20	30	35	40	45	50	60	Volts
Maximum RMS voltage	V _{RMS}	14	21	25	28	32	35	42	Volts
Maximum DC blocking voltage	V _{DC}	20	30	35	40	45	50	60	Volts
Maximum average forward rectified current at TC=125°C	I _(AV)	20							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)(Per leg)	I _{FSM}	150							Amps
Maximum instantaneous forward voltage (Per leg)(NOTE 2) IF=10A	V _F	0.63					0.71		Volts
Maximum instantaneous reverse current at rated DC blocking voltage(Per leg)(NOTE 2) Tc= 25°C Tc=125°C	I _R	0.5					50		mA
Typical thermal resistance(Per leg)(NOTE 1)	R _{th-JC}	5.0					°C/W		
Operating temperature range	T _J	-65to+150							°C
Storage temperature range	T _{stg}	-65to+175							°C

NOTES:
 (1) Thermal resistance from junction to case
 (2) Pulse test : 300 us pulse width, 1% duty cycle
 (3) Marking : $\frac{\text{SRF2020CT}}{\text{Symbol}} = \frac{\text{SRF2020}}{\text{Marking}}$ (Whitout Marking "CT")

RATINGS AND CHARACTERISTIC CURVES SRF2020CT THRU SRF2060CT



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