

SRF2030CT thru SRF20150CT

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 30 to 150 Volts FORWARD CURRENT - 20.0 Amperes

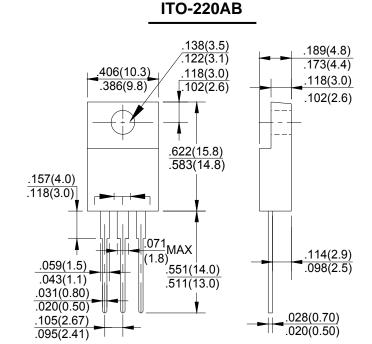
FEATURES

- Metal of silicon rectifier, majority carrier conduction
- Guard ring for transient protection
- ■Low power loss,high efficiency
- High current capability, low VF
- High surge capacity
- Plastic package has UL flammability classification 94V-0
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

MECHANICAL DATA

Case: ITO-220AB molded plasticPolarity: As marked on the bodyWeight: 0.08ounces,2.24 grams

Mounting position :Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

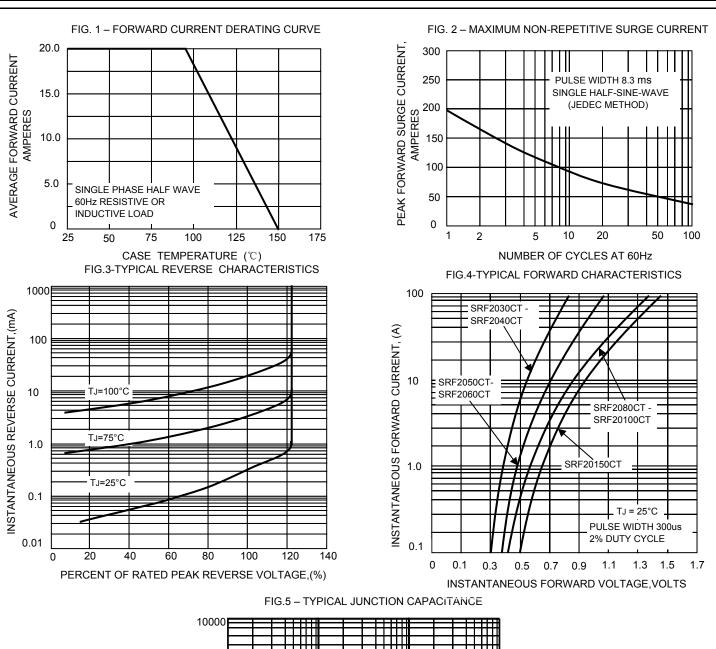
CHARACTERISTICS	SYMBOL	SRF 2030CT	SRF 2040CT	SRF 2050CT	SRF 2060CT	SRF 2080CT	SRF 20100CT	SRF 20150CT	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	30	40	50	60	80	100	150	V
Maximum RMS Voltage	VRMS	21	28	35	42	56	70	105	V
Maximum DC Blocking Voltage	VDC	30	40	50	60	80	100	150	V
Maximum Average Forward Rectified Current (See Fig.1) @Tc=95 ℃	I(AV)	20							Α
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	lғsм	200							Α
Peak Forward Voltage at 10.0A DC(Note1)	VF	0.55		0.	.70 0.8		85	0.95	V
Maximum DC Reverse Current @TJ=25°C at Rated DC Bolcking Voltage @TJ=100°C	lR	1.0 50							mA
Typical Junction Capacitance (Note2)	CJ	600							pF
Typical Thermal Resistance (Note3)	Rejc	2.0							°C/W
Operating Temperature Range	TJ	-55to+150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55to+150							$^{\circ}$

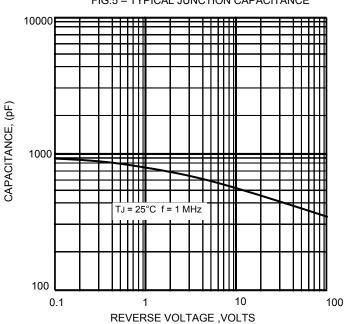
NOTES:1.300us pulse width,2% duty cycle.

- 2.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to case.
- 4.The typical data above is for reference only(典型值仅供参考).

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The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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