

# SR2030CT THRU SR20150CT

### **Surface Mount Schottky Barrier Recitifiers**

## Reverse Voltage - 30 to 150 Volts Forward Current - 16.0 Amperes

#### **Features**

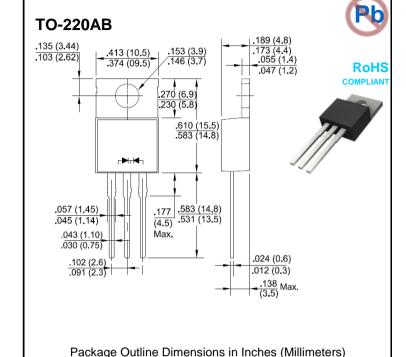
- Low forward voltage drop
- High current capability
- High surge capability
- The plastic material carries UL recognition 94V-0

#### **Mechanical Data**

- ●Case: JEDEC TO-220AB molded plastic
- Polarity: As marked on the body
- Mounting position: Any

#### **Applications**

 For use in low vlotage, high frequency inverters, polarity protection applications.



#### **Maximum Ratings and Electrical Characteristics**

Rating at 25℃ ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%.

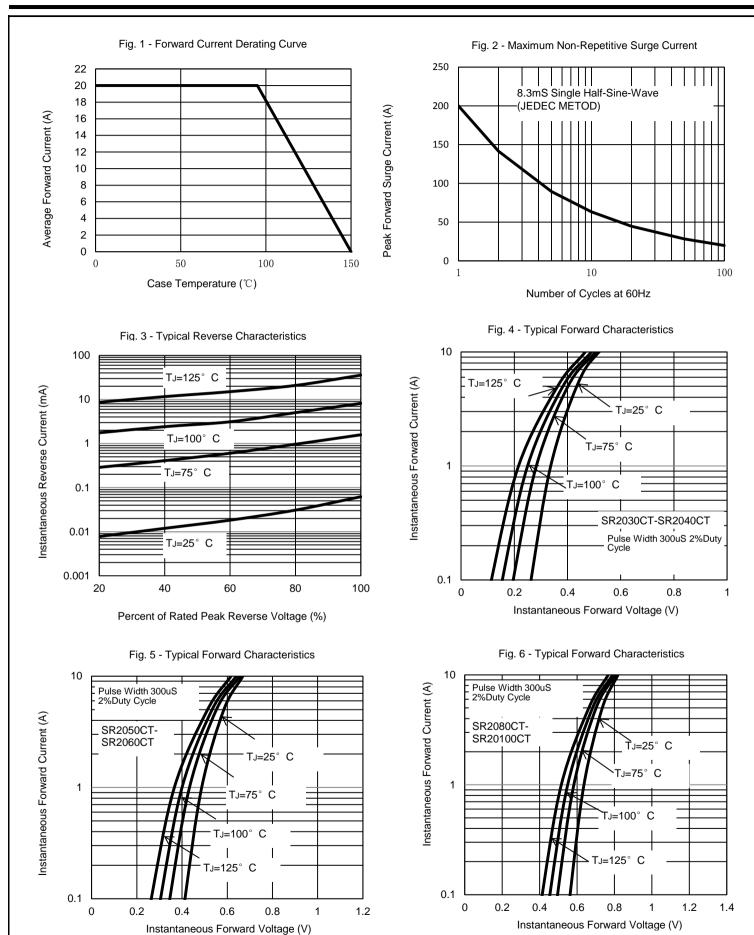
Characteristics	Symbol	SR	SR	SR	SR	SR	SR	SR	Unit
	Syllibol	2030CT	2040CT	2050CT	2060CT	2080CT	20100CT	20150CT	
Maximum Repetitive Peak Reverse Voltage	VRRM	30	40	50	60	80	100	150	V
Maximum RMS Voltage	VRMS	21	28	35	42	56	70	105	V
Maximum DC Blocking Voltage	VDC	30	40	50	60	80	100	150	V
Maximum Average Forward Rectified Current	I(AV)	20							Α
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,	Ison	IFSM 200							А
Superimposed on Rated Load ( JEDEC Method )	IFSM								
Peak Forward Voltage at 10.0A DC(Note1)	VF	0.55		0.	70	0.85		0.95	V
Maximum DC Reverse Current @TJ=25°C	ln.	IR 1.0 50							mA
at Rated DC Blocking Voltage @T <sub>J</sub> =100 $^{\circ}$ C	IK IK								
Typical Junction Capacitance (Note2)	Cı	600							pF
Typical Thermal Resistance Junction to Case	Rejc	2.0							°C/W
Junction Temperature Range	TJ	-55to+150							$^{\circ}\mathbb{C}$
Storage Temperature Range	Тѕтс	-55to+150							$^{\circ}\!\mathbb{C}$
		•							

Notes: 1. 300us pulse width,2% duty cycle. 300uS.

- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.
- 3. The typical data above is for reference only.

SR20\*CT-U-00-00 Rev. 9, 22-Apr-2019



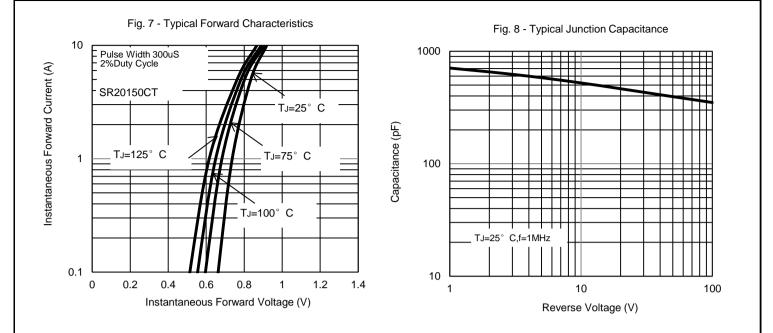


The curve above is for reference only.

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# Rating and Characteristic Curves SR2030CT THRU SR20150CT







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