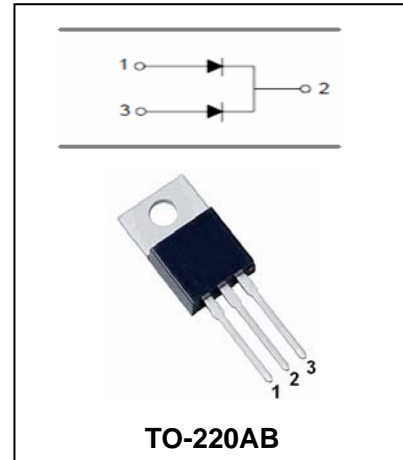


Dual Schottky Rectifiers

SR2020CT-SR20150CT

FEATURES

- Metal-Semiconductor Junction With Guard Ring.
- Epitaxial Construction.
- Low Forward Voltage Drop, Low Switching Losses.
- High Surge Capacity.
- For Use In Low Voltage, High Frequency Inverters Free Wheeling, and Polarity Protection Applications.
- The Plastic Material Carries U/L Recognition 94V-0.



MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	SR 2020 CT	SR 2030 CT	SR 2040 CT	SR 2050 CT	SR 2060 CT	SR 2080 CT	SR 20100 CT	SR 20150 CT	Unit
V_{RRM}	Recurrent Peak Reverse Voltage	20	30	40	50	60	80	100	150	V
V_{RMS}	RMS Voltage	14	21	28	35	42	56	70	105	V
V_{DC}	DC Blocking Voltage	20	30	40	50	60	80	100	150	V
$I_{F(AV)}$	Average Forward Rectified Current Per $T_A=100^\circ C$	20								A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half Sine-wave Superimosed on Rated Load	150								A
T_j, T_{stg}	Operating Junction and Storage Temperature Range	-55 to +150								$^\circ C$

ELECTRICAL CHARACTERISTICS Ratings at 25 $^\circ C$ ambient temperature unless otherwise specified.

Parameter	Symbol	Test conditions	SR2020CT-SR2040CT	SR2050CT-SR2060CT	SR2080CT-SR20100CT	SR20150CT	UNIT
			MAX				
Forward Voltage	V_F (Note1)	$I_F=10A$	0.65	0.75	0.85	0.95	V
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25^\circ C$ $V_R=V_{RRM}, T_A=100^\circ C$	0.5 15	0.5 25			mA

Note:1. Pulse tere:300 μs pulse width,1% duty cycle.



Dual Schottky Rectifiers

SR2020CT-SR20150CT

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

FIG. 1 – FORWARD CURRENT DERATING CURVE

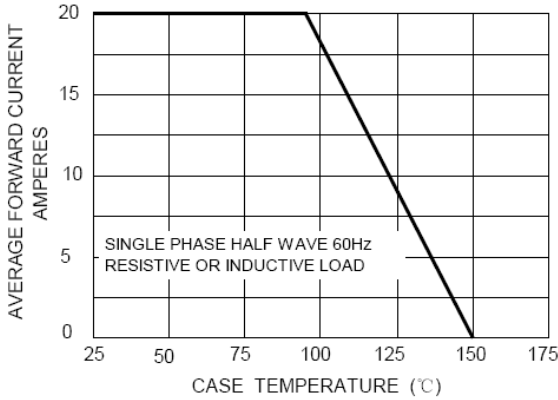


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

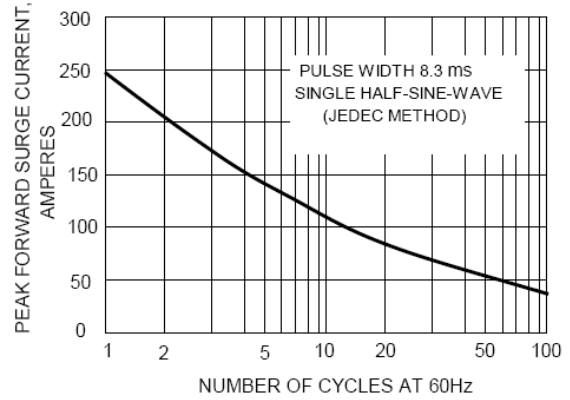


FIG.3-TYPICAL REVER CHARACTERISTICS

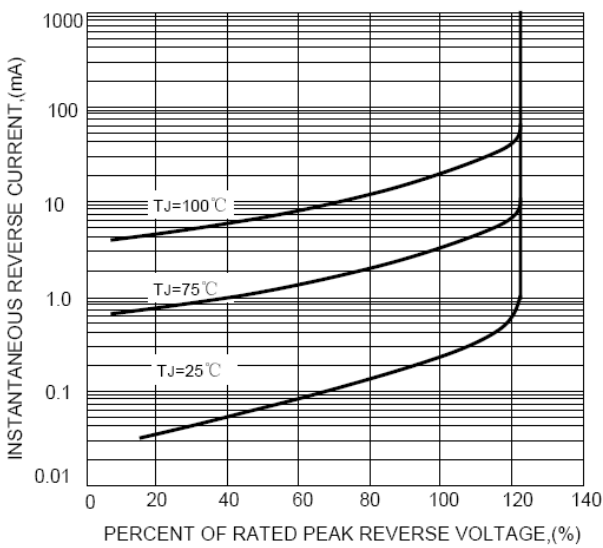


FIG.4-TYPICAL FORWARD CHARACTERISTICS

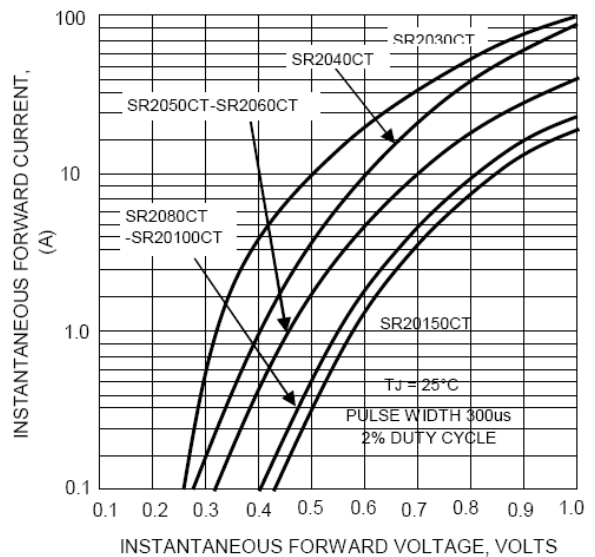
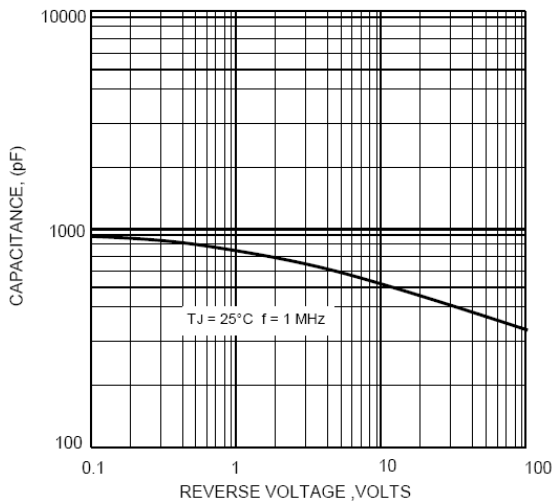


FIG.3 – TYPICAL JUNCTION CAPACITANCE



Dual Schottky Rectifiers

SR2020CT-SR20150CT

PACKAGE OUTLINE

Plastic surface mounted package

TO-220AB

