

SR802~SR810

SCHOTTKY BARRIER RECTIFIER

VOLTAGE 20 to 100 Volt **CURRENT** 8.0 Ampere

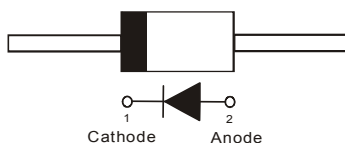
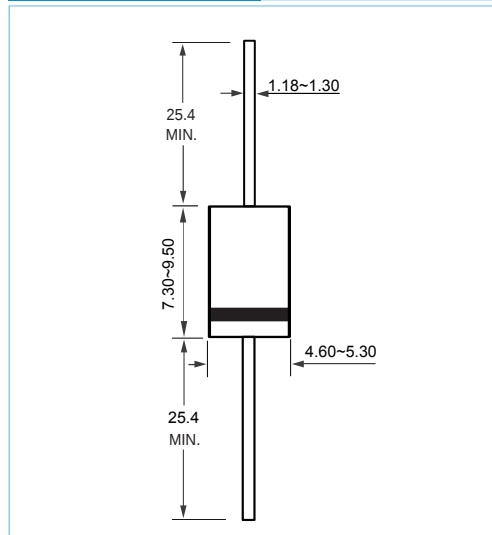
DO-201AD Unit:mm

FEATURES

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Low Forward Voltage Drop And Low Switching Noise
- High Surge Current Capability And High Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	SR802	SR803	SR8 04	SR805	SR806	SR808	SR810	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	80	100	V
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Curren	I _{F(AV)}	8							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	150							A
Maximum Forward Voltage at 5A	V _F	0.65			0.70		0.85		V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J =25°C T _J =100°C	I _R	0.5 50							mA
Typical Thermal Resistance	R _{θJA}	30							°C/W
Typical Junction Capacitancen	C _J	500			380		165		pF
Operating Junction Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

SR802~SR810

Figure 1
Typical Forward Characteristics

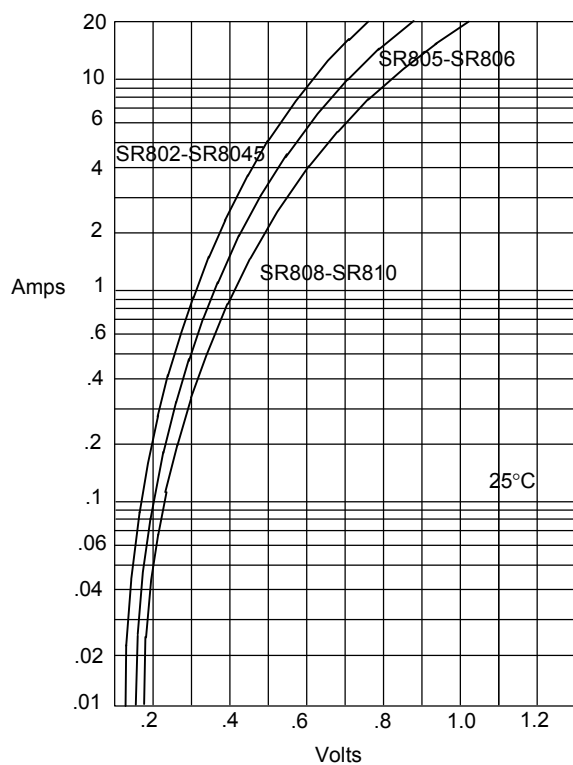


Figure 2
Forward Derating Curve

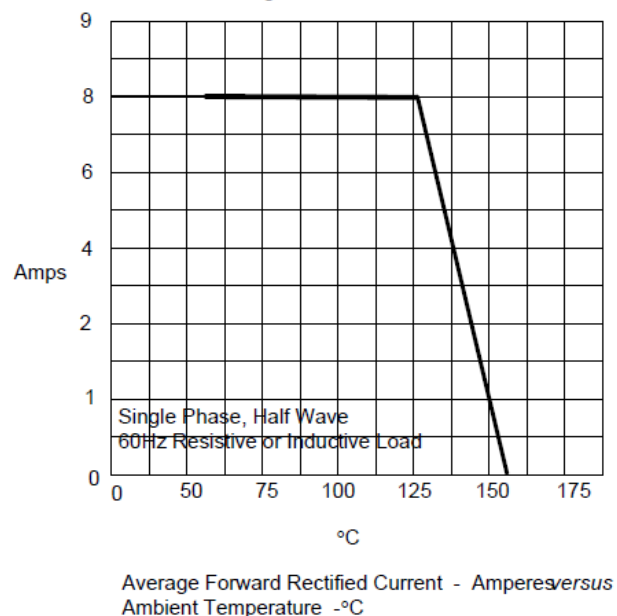


Figure 3
Maximum Non-Repetitive Forward Surge Current

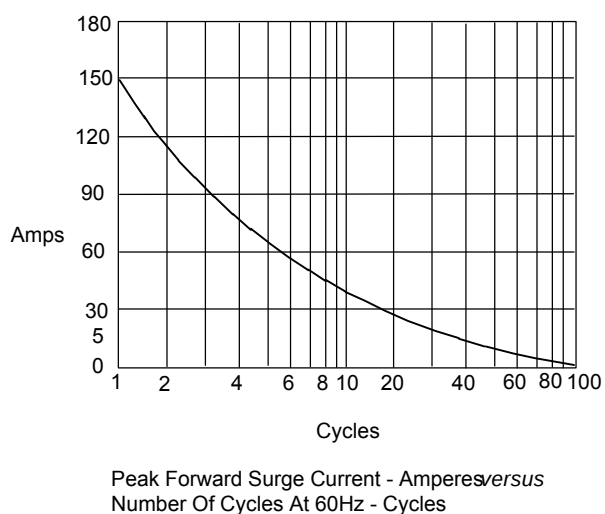
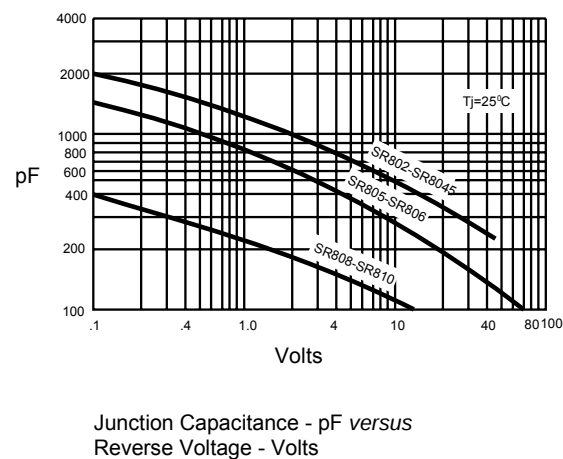


Figure 4
Junction Capacitance



SR802~SR810

Ordering Information

- Packing information

SR802~SR810	Packing Quantity
Tape&Reel	13 Inch; 1.25kpcs/Reel
Ammo Packing	1.25kpcs/Ammo Box
Bulk(Tube/Box)	0.5kpcs/Box