



WEE Technology Company Limited

Schottky Barrier Rectifiers

SR3100L/SR5100L

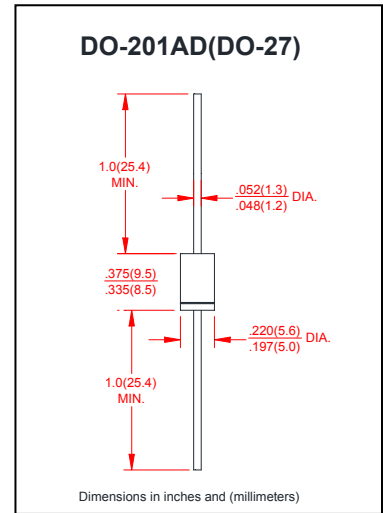
VOLTAGE RANGE **100 Volts**
CURRENT **3.0 /5.0Ampere**

FEATURES

- Low forward voltage drop
- Low leakage current
- High forward surge capability
- High reliability

MECHANICAL DATA

- Case: DO-27, Mold plastic
- Epoxy: UL94V-0 rate flame retardant
- Polarity: Indicated by cathode band
- Lead: MIL-STD-202E, Method 208 guaranteed
- Mounting position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified
- Single Phase, half wave, 60Hz, resistive or inductive load
- For capacitive load derate current by 20%

	SYMBOLS	SR3100L	SR5100L	UNIT S
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	100	Volts
Maximum RMS Voltage	V _{RMS}	70	70	Volts
Maximum DC Blocking Voltage	V _{DC}	100	100	Volts
Maximum Average Forward Rectified Current	I _(AV)	3.0	5.0	Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	80		Amps
Maximum Instantaneous Forward Voltage at 3.0A	V _F	0.6	0.68	Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	0.5		mA
T _A = 25°C				
Operating Temperature Range	T _J	-55 to +125		°C
Storage Temperature Range	T _{STG}	-55 to +150		°C

Notes:

1. Measured at 1.0MHz and applied reverse voltage of 4.0 Volts.
2. Thermal Resistance from Junction to Ambient at .375"(9.5mm) lead length, P.C. board mounted.



WEE Technology Company Limited

Schottky Barrier Rectifiers

SR3100L/SR5100L

VOLTAGE RANGE	100 Volts
CURRENT	3.0 /5.0Ampere

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

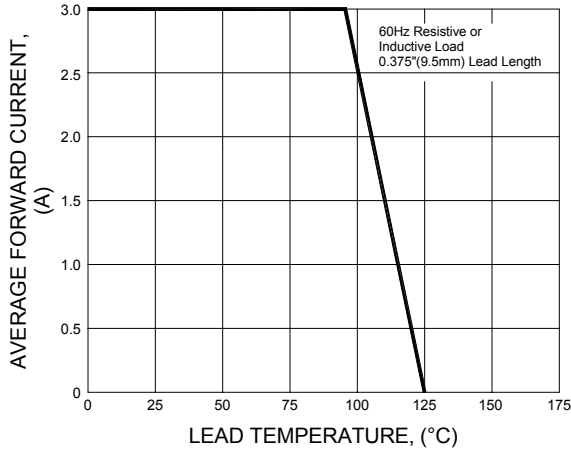


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

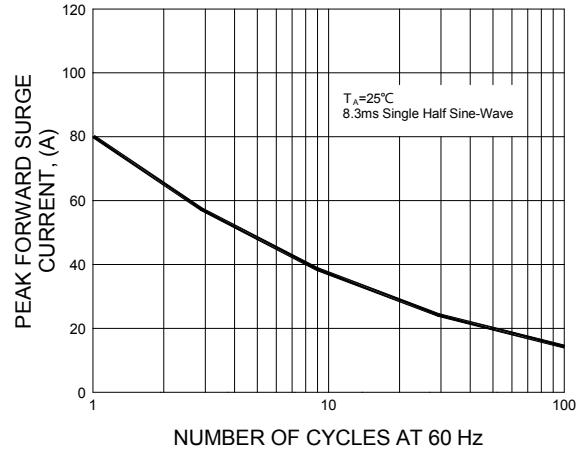


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

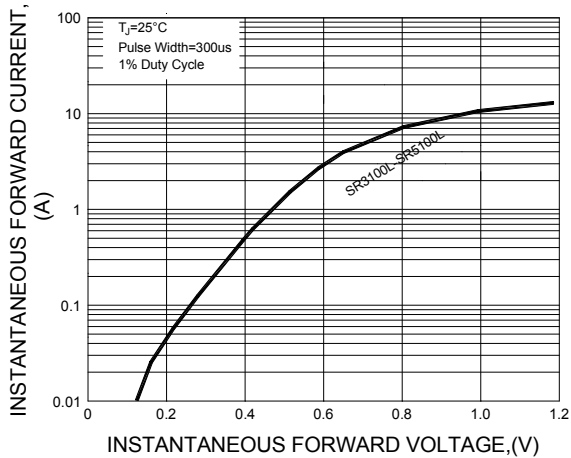
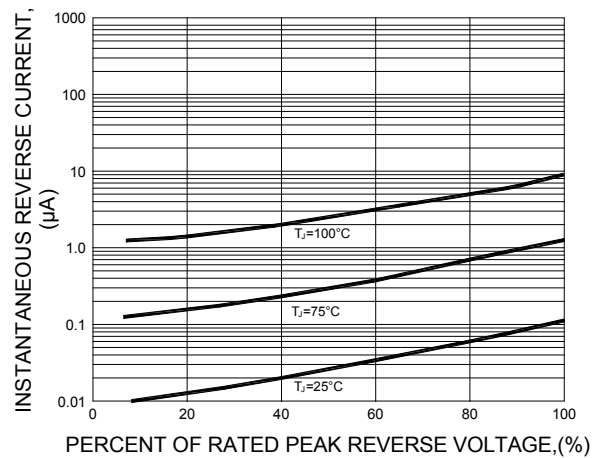


FIG.4-TYPICAL REVERSE CHARACTERISTICS



Note: Specifications are subject to change without notice. For more detail and update, please visit our website.