

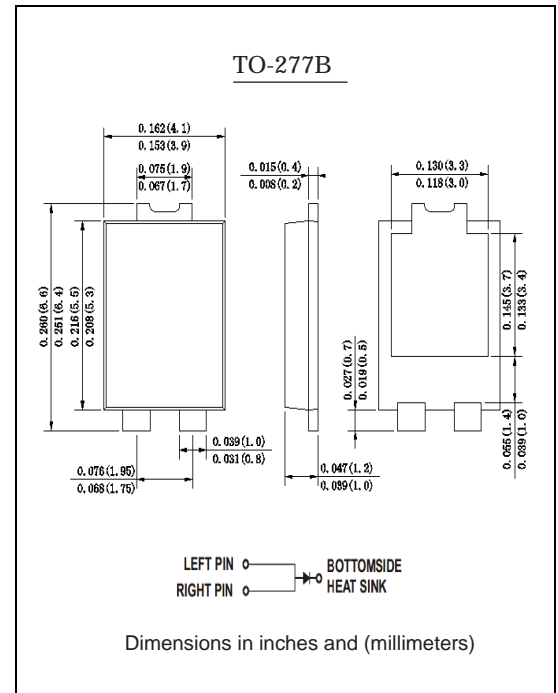
## SS540L~SS5100L 5.0Amp Surface Mount Schottky Barrier Rectifiers

### Features

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- ◆ Built-in strain relief,ideal for automated placement
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed:  
250°C/10 seconds at terminals

### Mechanical Data

Case: JEDEC TO-277B molded plastic body  
Terminals: Solder plated, solderable per MIL-STD-750, Method 2026  
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 current derate by 20%.

	SYMBOLS	SS540L	SS545L	SS550L	SS560L	SS5100L	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	40	45	50	60	100	VOLTS
Maximum RMS voltage	$V_{RMS}$	28	32	35	42	70	VOLTS
Maximum DC blocking voltage	$V_{DC}$	40	45	50	60	100	VOLTS
Maximum average forward rectified current at $T_L=110^{\circ}C$	$I_{(AV)}$	5.0					Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	120					Amps
Maximum instantaneous forward voltage at 5.0A $T_A=25^{\circ}C$ $T_A=100^{\circ}C$	$V_F$	0.47 0.44		0.55 0.48		0.68 0.56	Volts
Maximum DC reverse current at rated DC blocking voltage $T_A=25^{\circ}C$ $T_A=100^{\circ}C$	$I_R$	0.5 20.0					mA
Typical thermal resistance (NOTE 1)	$R_{\theta JA}$	25					C/W
Operating junction and storage temperature range	$T_J, T_{STG}$	-55 to +125					°C

Note: 1.Polyimide PCB ,2oz.Copper Cathode pad dimensions 18.8mmx14.4mm.Anod pad dimensions 5.6mmx14.4mm