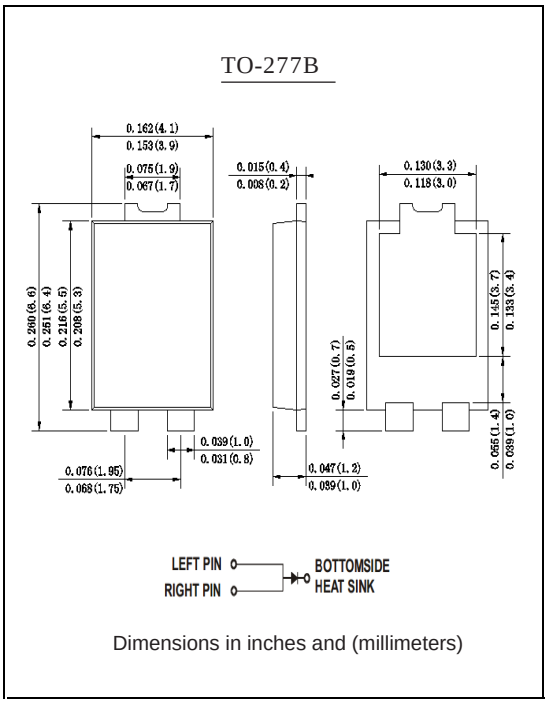
SS840~SS8100
8.0Amp Surface Mount Schottky Barrier Rectifiers

Features

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



Dimensions in inches and (millimeters)

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℃ ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load, for capacitive load current derate by 20%.

	SYMBOLS	SS840	SS845	SS850	SS860	SS8100	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℃	$I_{(AV)}$	8.0					Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	175					Amps
Maximum instantaneous forward voltage at 8.0A T_A=25℃	V_F	0.53		0.65		0.75	Volts
T_A=100℃		0.50		0.58		0.64	
Maximum DC reverse current T_A=25℃ at rated DC blocking voltage T_A=100℃	I_R	0.5					mA
		20.0					
Typical thermal resistance (NOTE 1)	$R_{\theta JA}$	45					C/W
Operating junction and storage temperature range	T_J,T_{STG}	-55 to +150					℃

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