



RB050L-40

Surface Mount Schottky Barrier Rectifier

Reverse Voltage 40 V

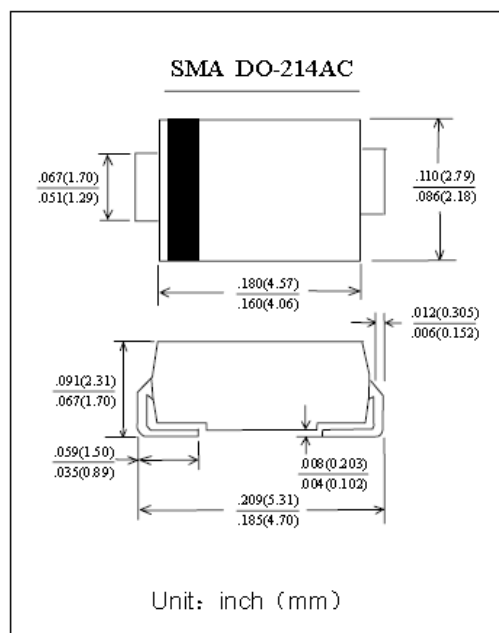
Forward Current 3.0 A

Features

- Low Forward Voltage Drop
- High Current Capability
- High temperature soldering guaranteed:
250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

Mechanical Data

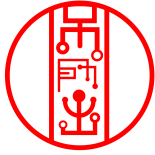
- Terminals: Plated axial leads
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Marking: 35



Maximum Ratings & Thermal Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symble	Value	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	40	V
Maximum RMS voltage	$V_{R(RMS)}$	28	V
Maximum DC blocking voltage	V_{DC}	40	V
Maximum average forward rectified current	I_{FM}	3.0	A
Maximum forward voltage @IF = 3.0A	V_F	0.55	V
Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	100	A
Maximum reverse current @TA = 25°C	I_R	0.5	mA
Typical thermal resistance	$R_{\theta JA}$	75	°C/W
Type junction capacitance VR = 4.0V f = 1.0MHz	C_j	60	pF
Operating junction and storage temperature range	T_j, T_{STG}	-50 --- +150	°C



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