

**LOW LOSS SUPER HIGH SPEED DIODE****■ Features**

- Low VF
- Super high speed switching.
- High reliability by planer design.

**■ Applications**

- High speed power switching.

**■ Maximum Ratings and Characteristics****• Absolute Maximum Ratings**

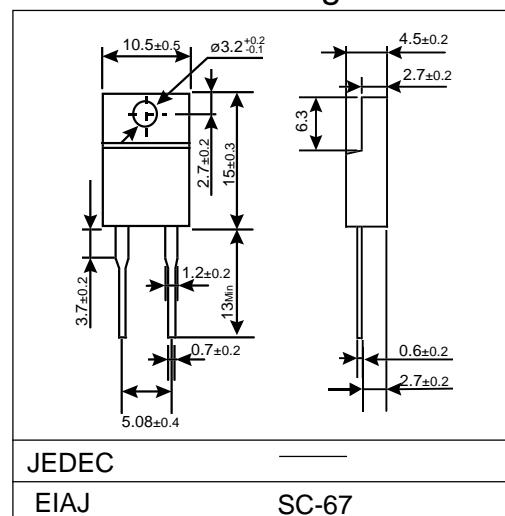
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$		200	V
Repetitive peak surge reverse voltage	$V_{RSM}$		200	V
Isolating voltage	$V_{iso}$	Terminals to Case, AC. 1min.	1500	V
Average output current	$I_o$	duty=1/2, $T_c=134^\circ C$ Rectangl wave	5	A
Surge current	$I_{FSM}$	Sine wave 10ms	50	A
Operating junction temperature	$T_j$		-40 to +150	°C
Storage temperature	$T_{stg}$		-40 to +150	°C

**• Electrical Characteristics (Ta=25°C Unless otherwise specified )**

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_F$	$I_F=5.0A$	0.95	V
Reverse current	$I_R$	$V_R=V_{RRM}$	100	μA
Reverse recovery time	trr	$I_F=0.1A, I_R=0.2A, I_{rec}=0.05A$	35	ns
Thermal resistance	$R_{th(j-c)}$	Junction to case	5.0	°C/W

**• Mechanical Characteristics**

Mounting torque	Recommended torque	0.3 to 0.5	N · m
Weight		2.3	g

**■ Outline Drawings****■ Connection Diagram**

## ■ Characteristics

