

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 =115°C Square wave	10*	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

* Out put current of centertap full wave connection.

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

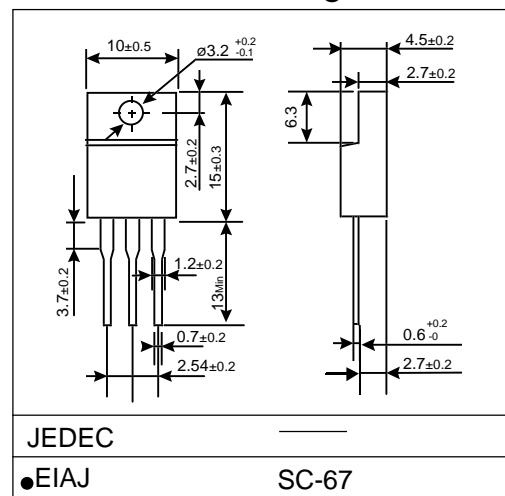
Item	Symbol	Conditions	Max.	Unit
Forward Voltage Drop **	V _F	I _F =5A	0.95	V
Reverse Current **	I _R	V _R =V _{RRM}	100	μA
Reverse recovery time	t _{rr}	I _F =0.1A,I _R =0.2A,I _{rec} =0.05A	35	ns
Thermal Resistance	R _{th(j-c)}	Junction to case	3.5	°C/W

** Rating per element

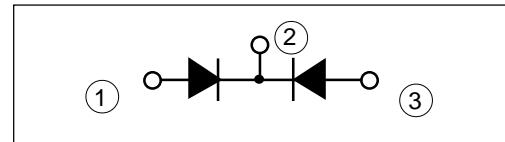
• Mechanical Characteristics

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

■ Outline Drawings



■ Connection Diagram



■ Characteristics

