

(60V / 20A TO-220F15)

SCHOTTKY BARRIER DIODE

■ Features

- Low V_f
- 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}		60	V
Repetitive peak surge reverse voltage	V_{RSM}	tw=500ns, duty=1/40	60	V
Isolation voltage	V_{iso}	Terminals to Case, AC. 1min.	1500	V
Average output current	I_o	duty=1/2, $T_c = 25^{\circ}C$ Square wave	20*	A
Surge current	I_{FSM}	Sine wave 10ms	120	A
Operating junction temperature	T_j		-40 to +150	$^{\circ}C$
Storage temperature	T_{stg}		-40 to +150	$^{\circ}C$

* Out put current of centertap full wave connection.

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

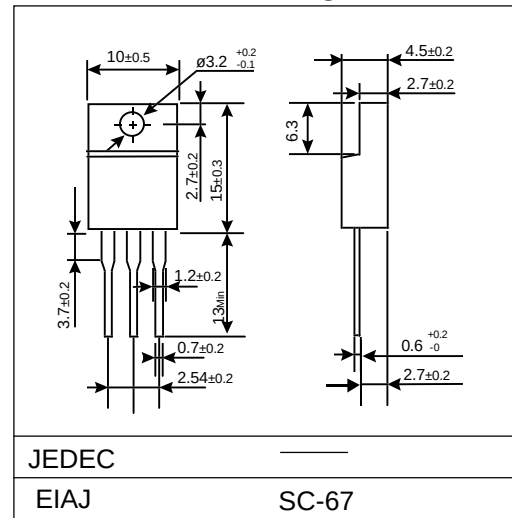
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop **	V _F	I _F =8A	0.58	V
Reverse current **	I _R	V _R =V _{RRM}	15	mA
Thermal resistance	R _{th(j-c)}	Junction to case	2.5	°C/W

** Rating per element

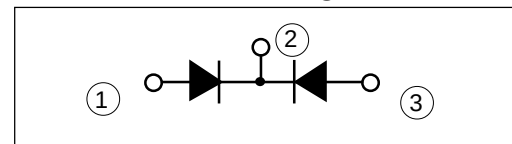
- Mechanical Characteristics

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

■ Outline Drawings



■ Connection Diagram



■ Characteristics