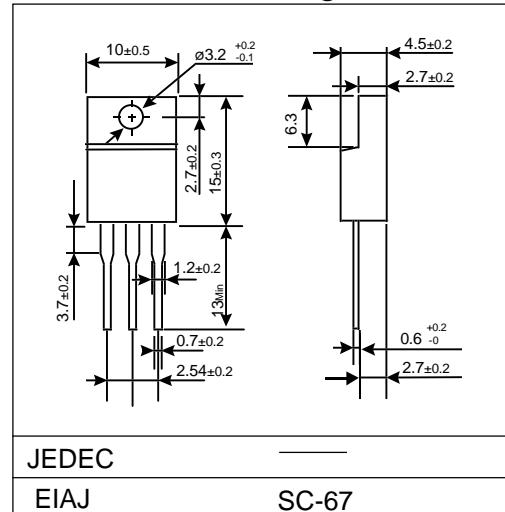


**YG802C04R**

**(40V / 10A TO-220F15)**

## SCHOTTKY BARRIER DIODE

## ■ Outline Drawings



## ■ Features

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

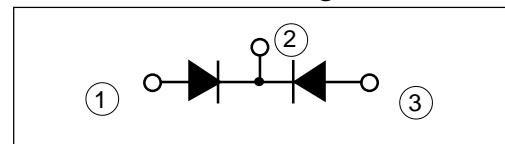
## ■ Applications

- High speed power switching.

## ■ Maximum Ratings and Characteristics

- Absolute Maximum Ratings

## ■ Connection Diagram



Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$		40	V
Repetitive peak surge reverse voltage	$V_{RSM}$	$t_w=500\text{ns}$ , duty=1/40	48	V
Isolating voltage	$V_{iso}$	Terminals to Case, AC. 1min.	1500	V
Average output current	$I_o$	duty=1/2, $T_c=95^\circ\text{C}$ Square wave	10*	A
Surge current	$I_{FSM}$	Sine wave 10ms	120	A
Operating junction temperature	$T_j$		-40 to +150	$^\circ\text{C}$
Storage temperature	$T_{stg}$		-40 to +150	$^\circ\text{C}$

\* Out put current of centertap full wave connection.

- Electrical Characteristics ( $T_a=25^\circ C$  Unless otherwise specified )

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop **	$V_F$	$I_F=4.0A$	0.55	V
Reverse current **	$I_R$	$V_R=V_{RRM}$	5.0	mA
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

## ■ Characteristics

