

YG906C2R

L L D (200V / 20A TO-220F15)

LOW LOSS SUPER HIGH SPEED DIODE

■ Features

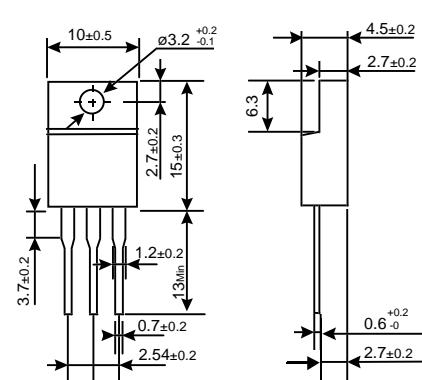
- Low VF
 - Super high speed switching.
 - High reliability by planer design.

■ Applications

- High speed power switching.

■ Maximum Ratings and Characteristics

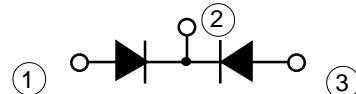
- Absolute Maximum Ratings



JEDEC

EIAJ SC-67

■ Connection Diagram



Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V _{RRM}		200	V
Repetitive peak surge reverse voltage	V _{RSM}	tw=500ns,duty=1/40	200	V
Isolating voltage	V _{iso}	Terminals to Case, AC. 1min.	1500	V
Average output current	I _o	duty=1/2, T _c =102°C Square wave	20*	A
Surge current	I _{FSM}	Sine wave 10ms	80	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 ($T_a=25^\circ\text{C}$ Unless otherwise specified)

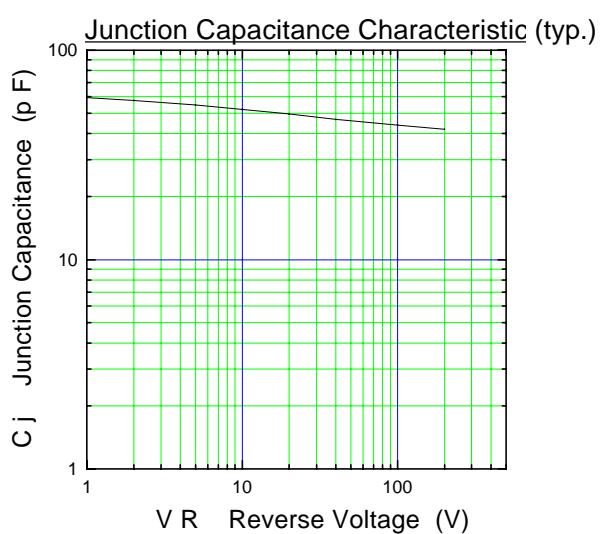
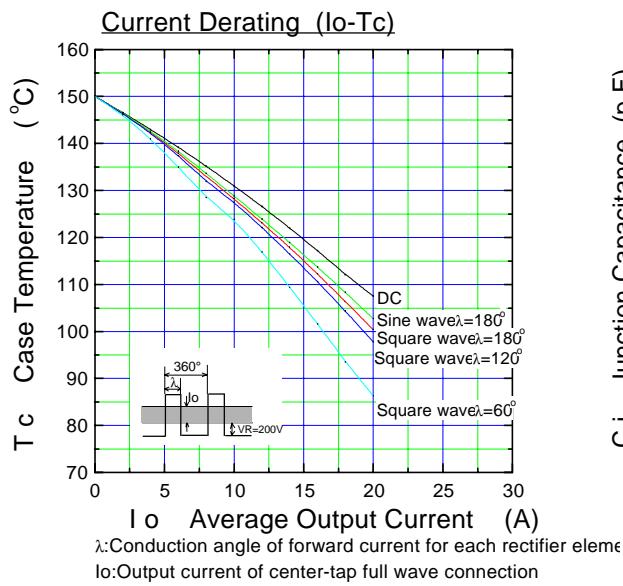
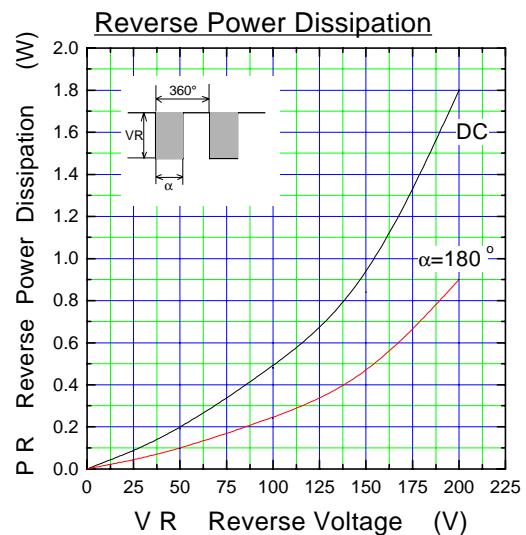
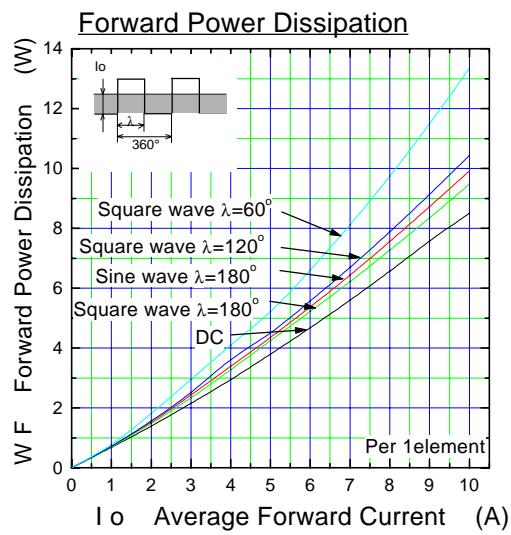
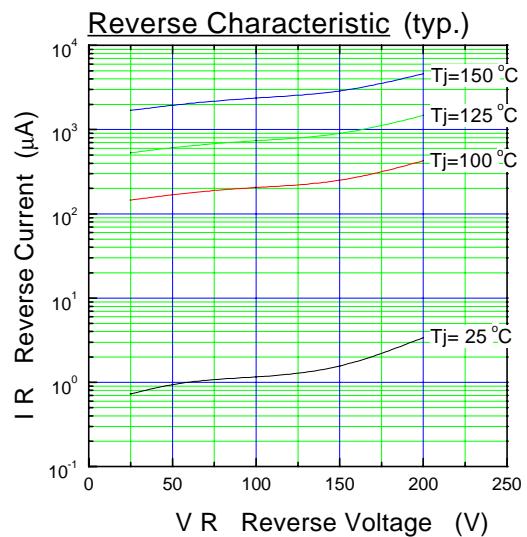
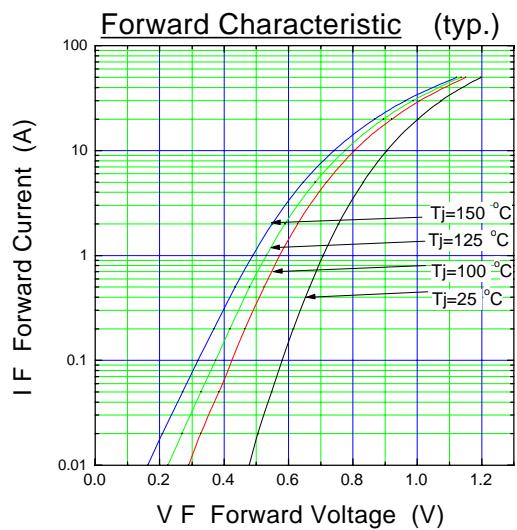
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop **	V_F	$I_F=10A$	0.98	V
Reverse current **	I_R	$V_R=V_{RRM}$	200	μA
Reverse recovery time	t_{rr}	$I_F=0.1A, I_R=0.2A, I_{rec}=0.05A$	40	ns
Thermal resistance	$R_{th(j-c)}$	Junction to case	2.5	$^{\circ}C/W$

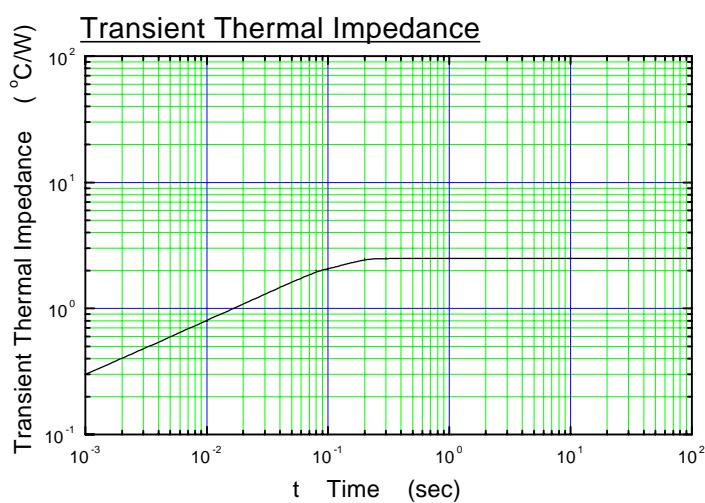
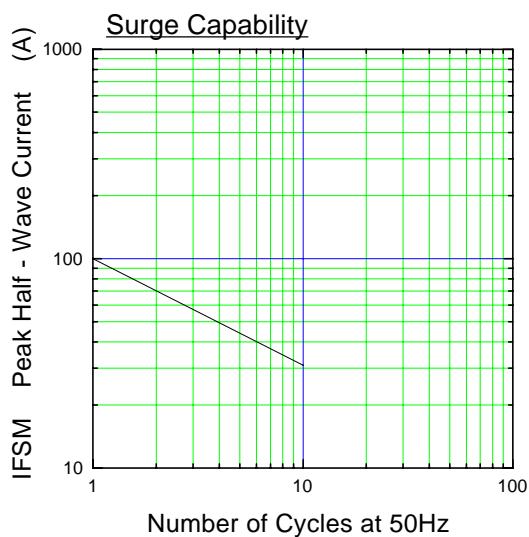
** Rating per element

- Mechanical Characteristics

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

■ Characteristics





DERATING

