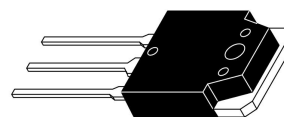


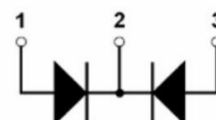
Features

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



Applications

- High speed power switching



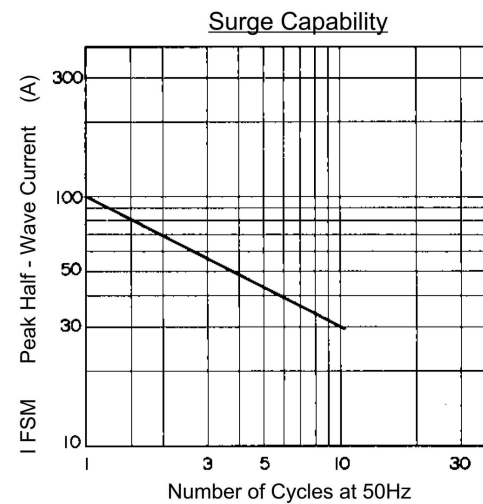
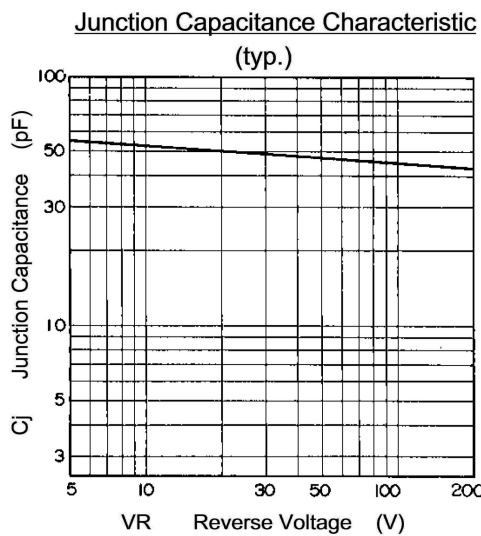
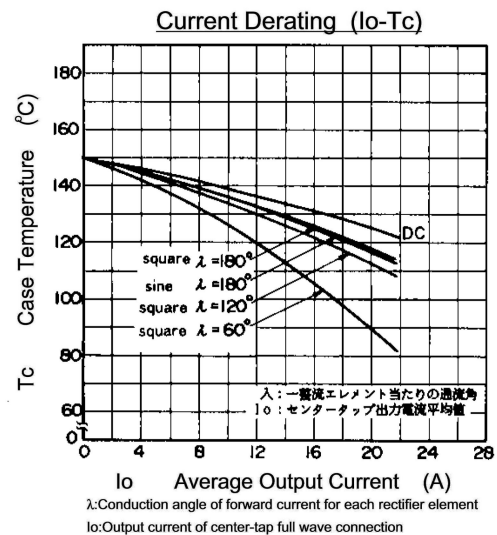
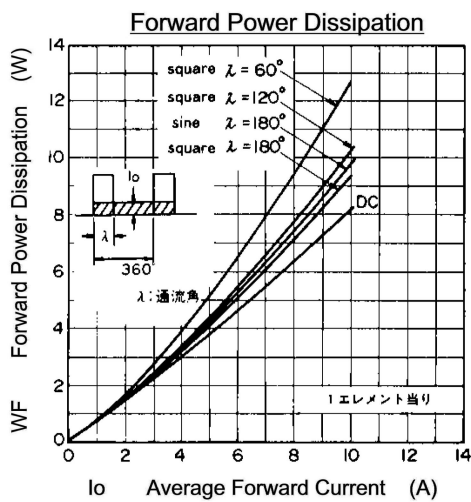
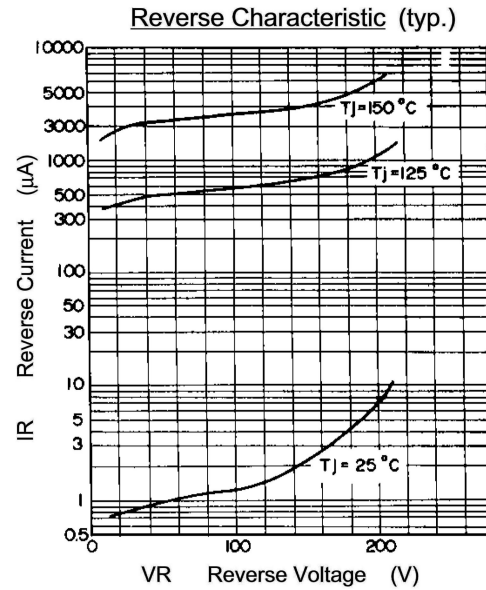
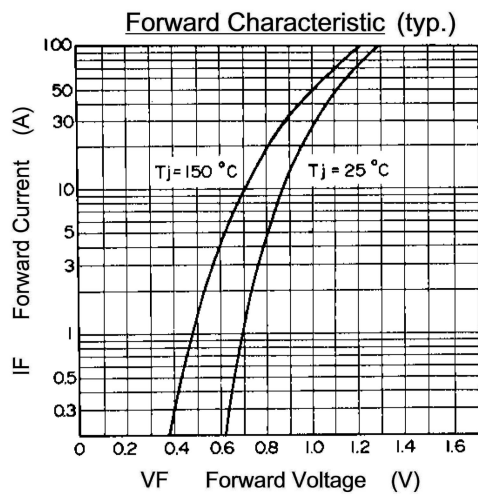
Absolute Maximum Ratings

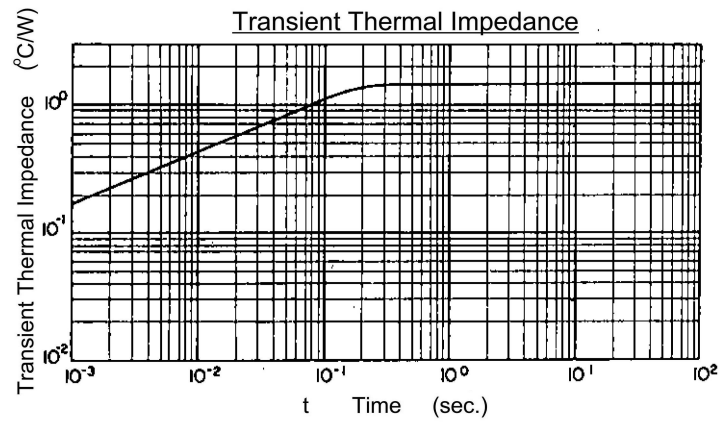
Parameter	Symbol	Test Conditions	Values	Unit
Repetitive Peak Reverse Voltage	V_{RRM}		200	V
Average Output Current	I_O	duty=1/2, $T_c=115^{\circ}\text{C}$ Square wave	20*	A
Surge Current	I_{FSM}	Sine wave 10ms	100	A
Power Dissipation	P_D		156	W
Junction Temperature	T_J		-40~150	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}		-40~150	
Thermal Resistance(3P)	$R_{\theta JC}$	Junction-to-Case	1.5	$^{\circ}\text{C/W}$

Electrical Characteristics($T_c=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Current	I_{RRM}	$V_R=V_{RRM}$	-	-	200	μA
Forward Voltage Drop	V_{FM}	$I_{FM}=10.0\text{A}$	-	-	0.95	V
Reverse Recovery Time	t_{rr}	$I_F=0.1\text{A}$, $I_R=0.2\text{A}$ $I_{rec}=0.05\text{A}$	-	-	40	ns

Electrical characteristics(Curves)





Package outline dimension

