

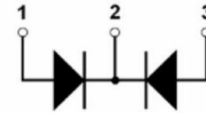
Features

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



Applications

- High speed power switching



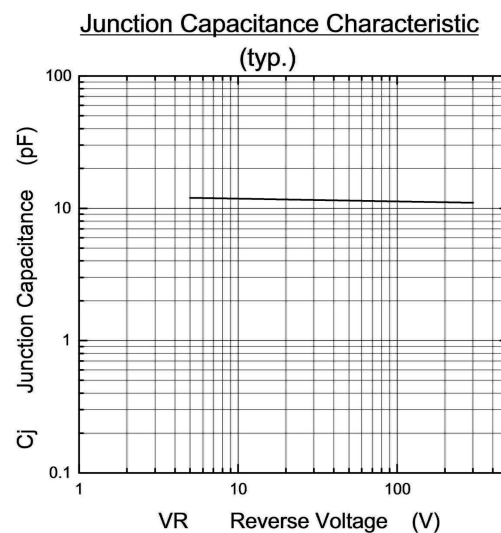
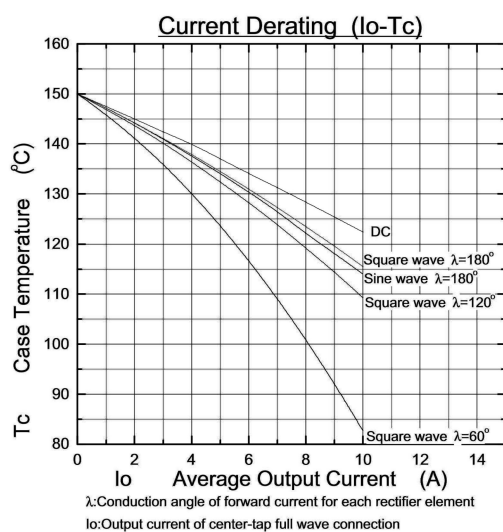
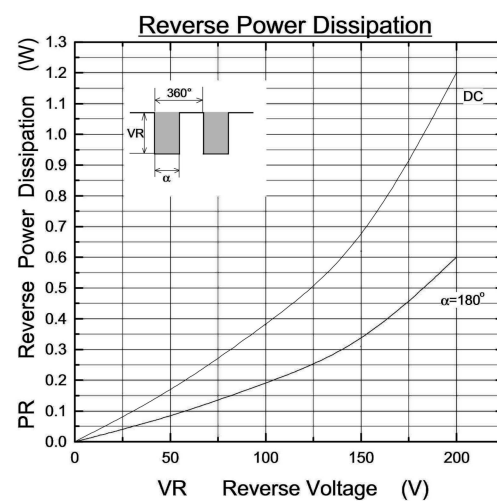
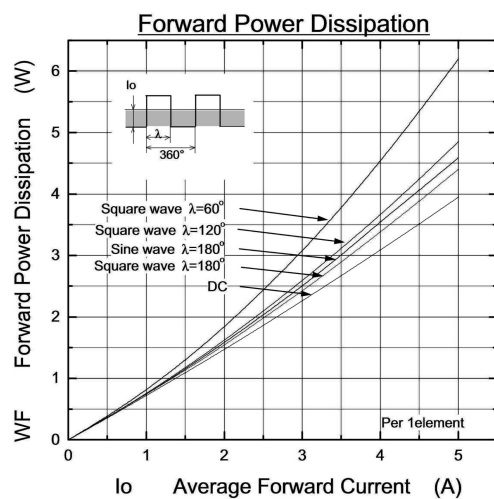
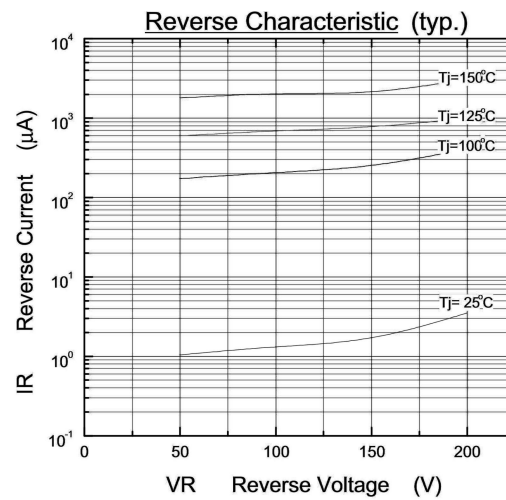
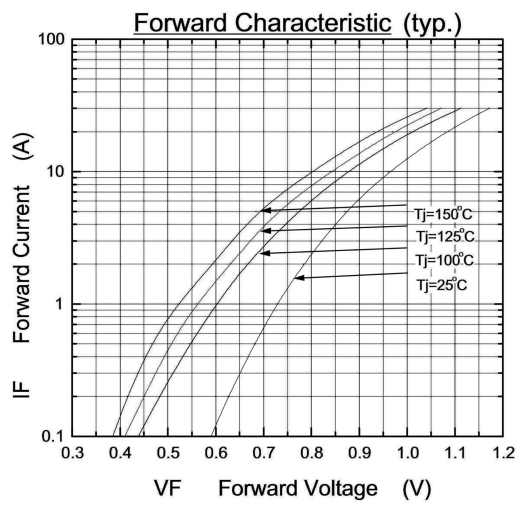
Absolute Maximum Ratings

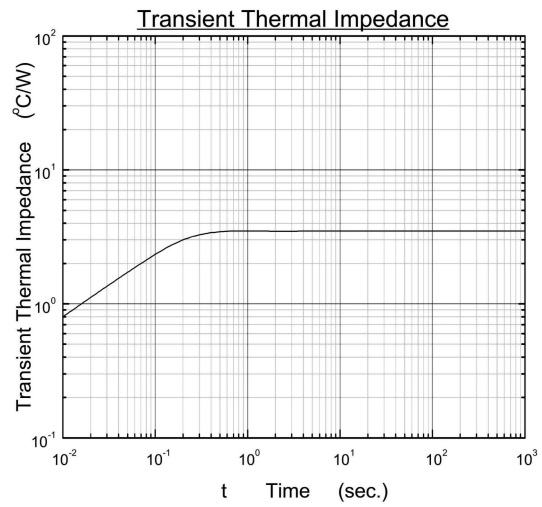
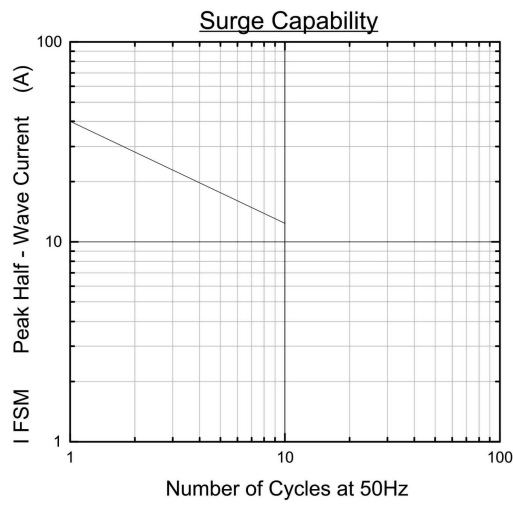
Parameter	Symbol	Test Conditions	Values	Unit
Repetitive Peak Reverse Voltage	V_{RRM}		200	V
Repetitive Peak Surge Reverse Voltage	V_{RSM}		200	V
Isolation Voltage	V_{ISO}	Terminals to Case, AC. 1min.	1500	V
Average Output Current	I_O	duty=1/2, $T_c=115^{\circ}C$ Square wave	10*	A
Surge Current	I_{FSM}	Sine wave 10ms	50	A
Junction Temperature	T_J		-40~150	$^{\circ}C$
Storage Temperature Range	T_{STG}		-40~150	
Thermal Resistance	$R_{\theta JC}$	Junction-to-Case	3.5	$^{\circ}C/W$
Mounting torque		Recommended torque	0.3 to 0.5	N • m
Weight			2.3	g

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Current**	I_R	$V_R=V_{RRM}$	-	-	100	μA
Forward Voltage**	V_F	$I_F=5A$	-	-	0.95	V
Reverse Recovery Time	t_{rr}	$I_F=0.1A$, $I_R=0.2A, I_{rec}=0.05A$	-	-	35	ns

Electrical characteristics(Curves)





Package outline dimension

