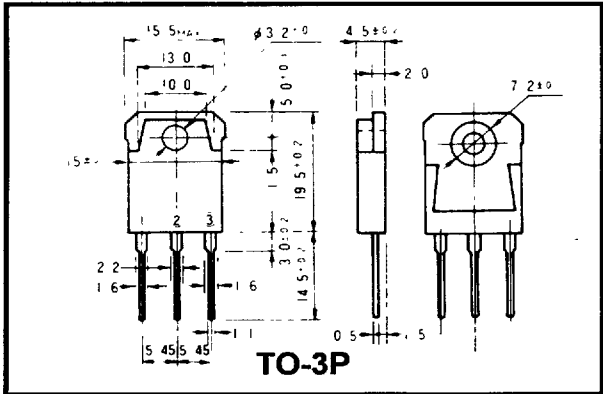


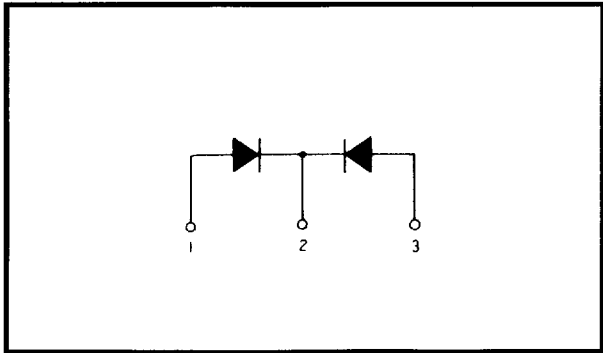
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SCHOTTKY BARRIER DIODE

Outline Drawing



Connection Diagram



Features

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

Applications

- High speed power switching

Maximum Ratings & Characteristics

Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings	Units
Repetitive Peak Reverse Voltage	V_{RRM}		60	V
Average Forward Current	I_o	$T_c = 90^\circ\text{C}$, duty 1/2, Square wave	30*	A
Surge Current	I_{FSM}	Sine Wave, 10ms	200	A
Operating Junction Temperature	T_J		-40 to +125	$^\circ\text{C}$
Storage Temperature	T_{stg}		-40 to +125	$^\circ\text{C}$

* Average forward current of centertap full wave connection

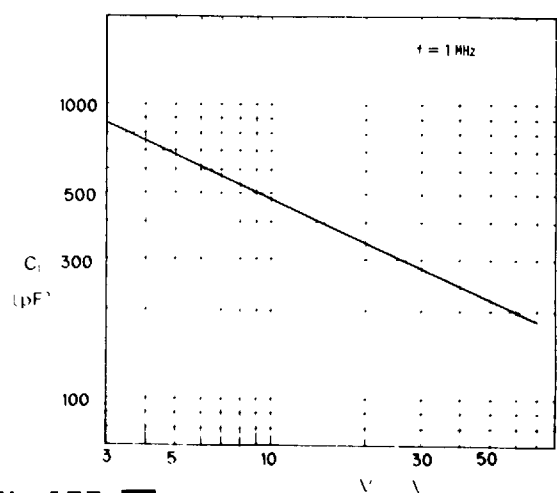
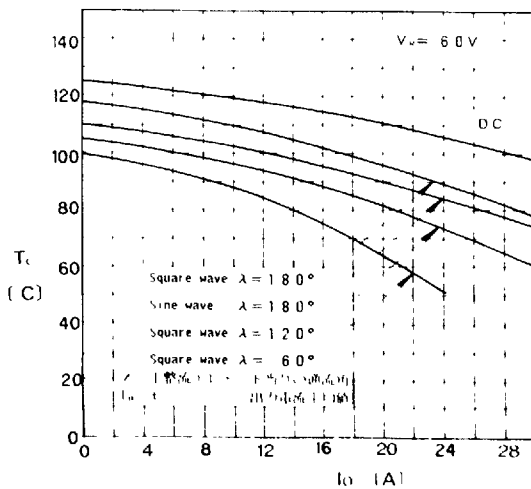
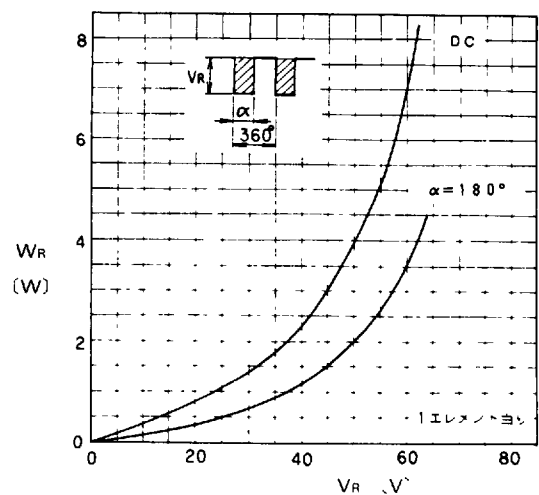
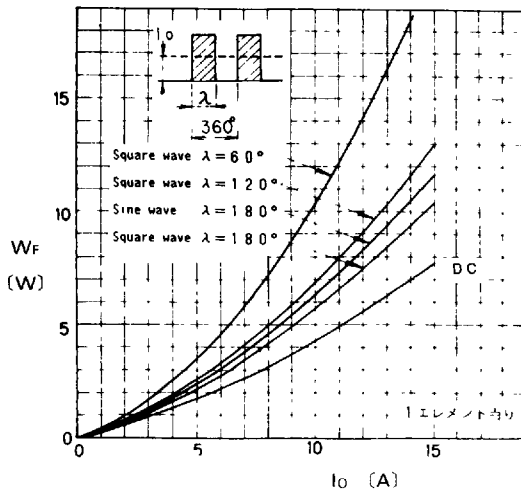
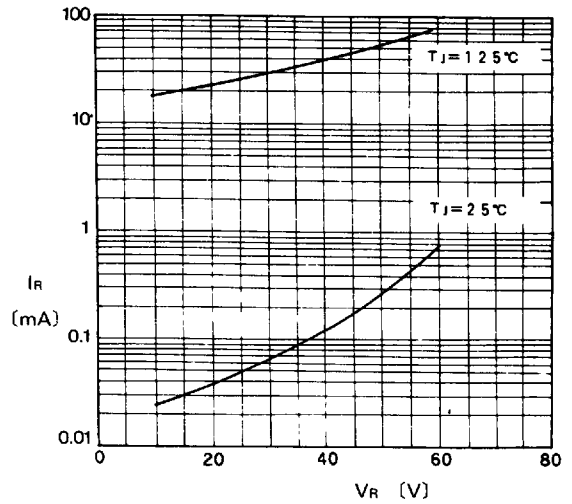
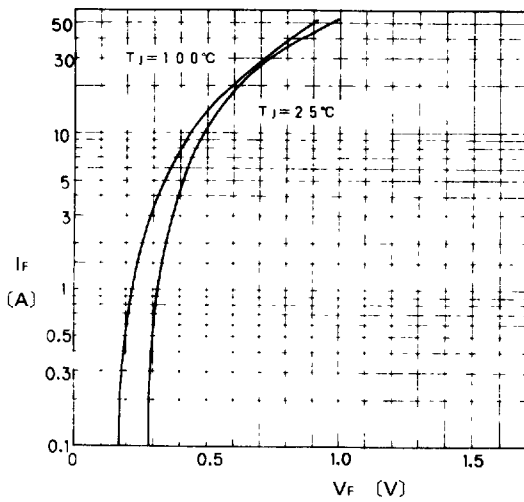
Electrical Characteristics ($T_a = 25^\circ\text{C}$ Unless otherwise specified)

Items	Symbols	Conditions	Ratings	Units
Forward Voltage Drop	V_F	$I_F = 12.5\text{A}$	0.58	V
Reverse Current	I_R	$V_R = V_{RRM}$	20.0	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to case	1.2	$^\circ\text{C/W}$

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Output Current-Case Temperature

Junction Capacitance Characteristics

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