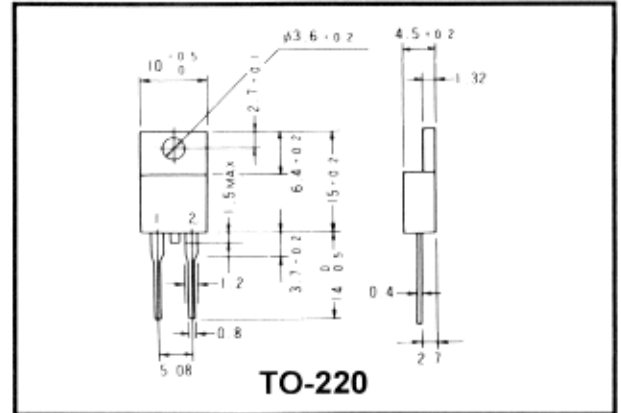


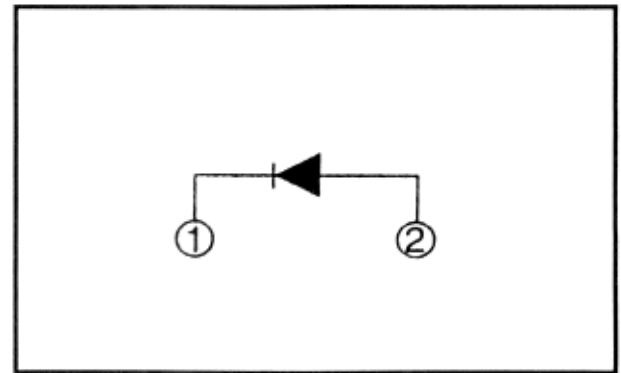
ERC88-009 (5A)

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

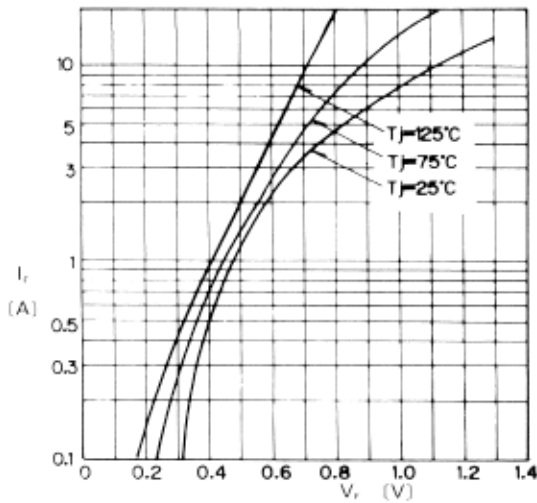
■ Maximum Ratings & Characteristics

- Absolute Maximum Ratings

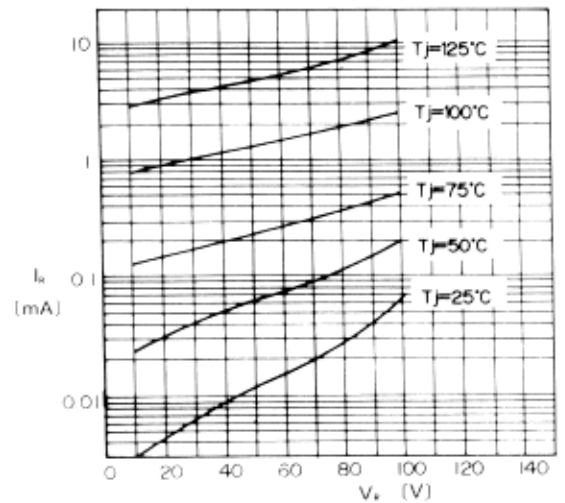
Items	Symbols	Conditions	Ratings	Units
Repetitive Peak Reverse Voltage	V_{RRM}		90	V
Non-repetitive Peak Reverse Voltage	V_{RSM}	$t_w = 500ns$, duty 1/40	100	V
Average Forward Current	$I_{F(AV)}$	$T_c = 85^\circ C$, duty 1/2, Sq. wave	5	A
Surge Current	I_{FSM}	Sine Wave, 10ms	80	A
Operating Junction Temperature	T_J		-40 to +125	$^\circ C$
Storage Temperature	T_{stg}		-40 to +125	$^\circ C$

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

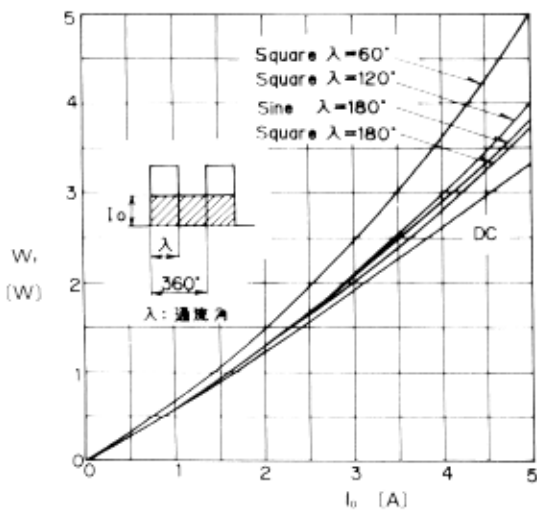
Items	Symbols	Conditions	Ratings	Units
Forward Voltage Drop	V_F	$I_F = 4A$	0.9	V
Reverse Current	I_R	$V_R = V_{RRM}$	5.0	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to case	5.0	$^\circ C/W$



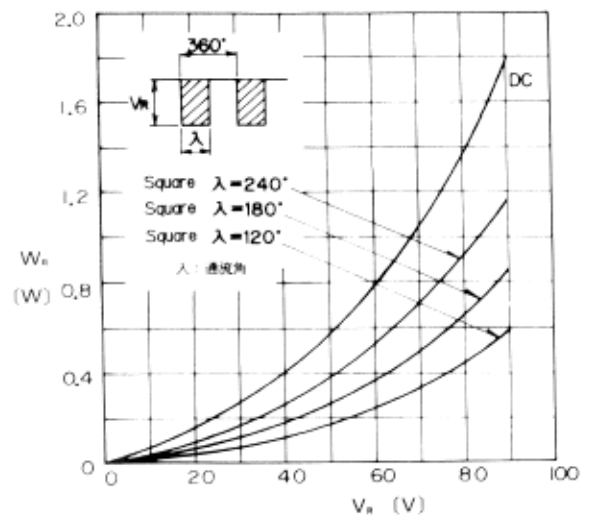
Forward Characteristics



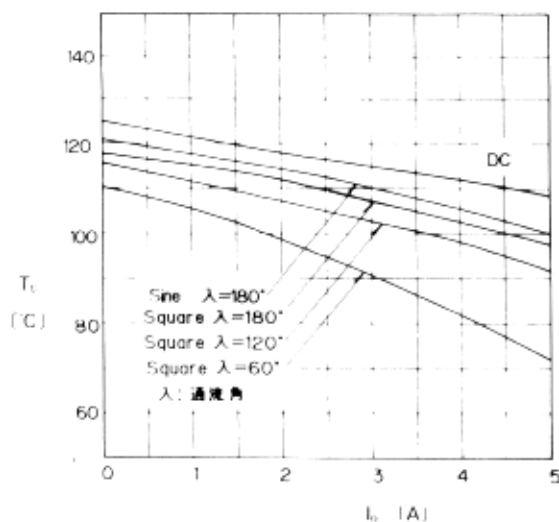
Reverse Characteristics



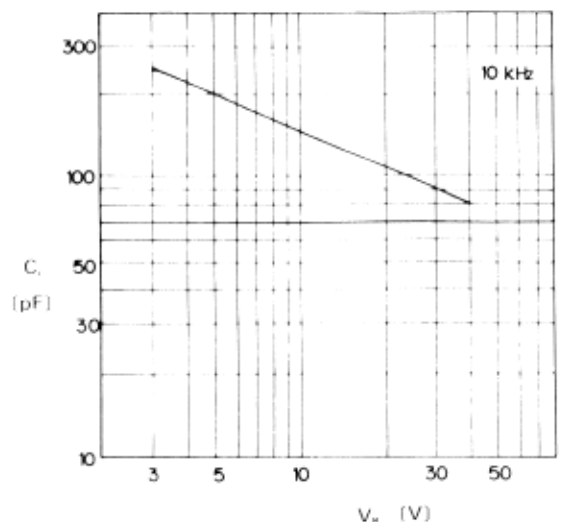
Forward Power Dissipation



Reverse Power Dissipation

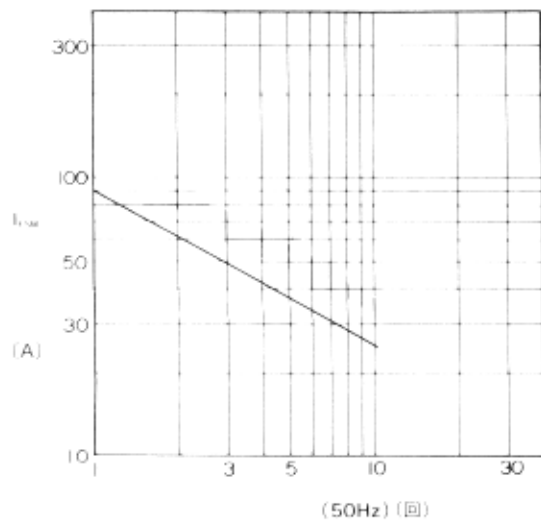


Average Output Current-Case Temperature

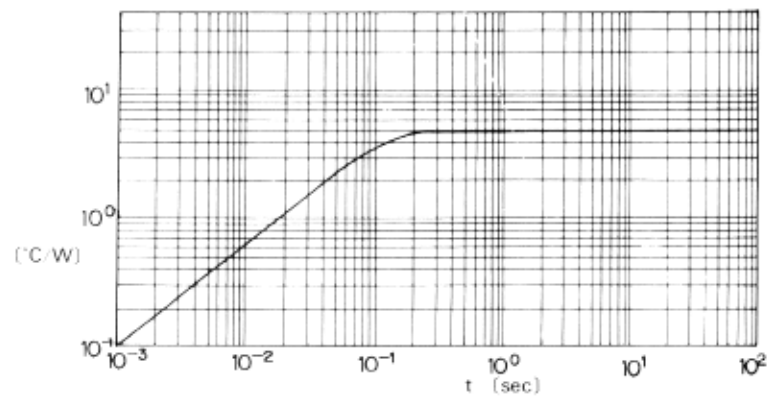


Junction Capacitance Characteristics

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Surge Capability



Transient Thermal Impedance