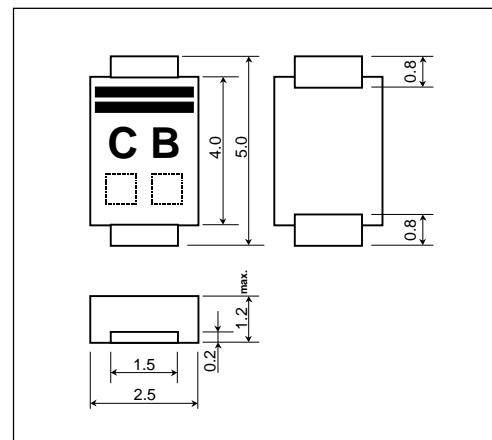


SCHOTTKY BARRIER DIODE

■ Outline drawings, mm



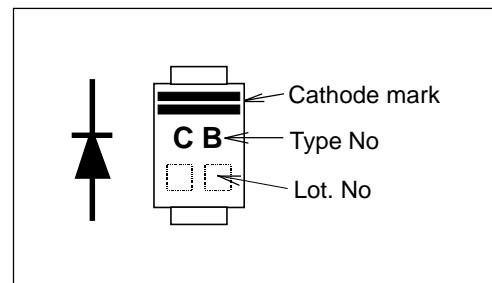
■ Features

- Surface-mount device
- Low VF
- Super high speed switching
- High reliability by planer design

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

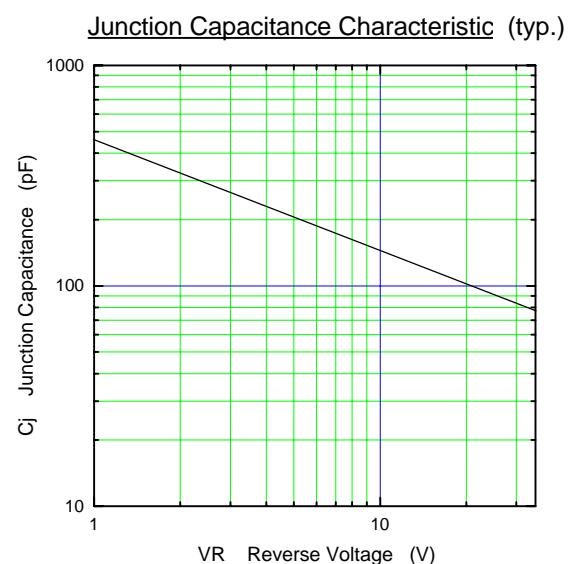
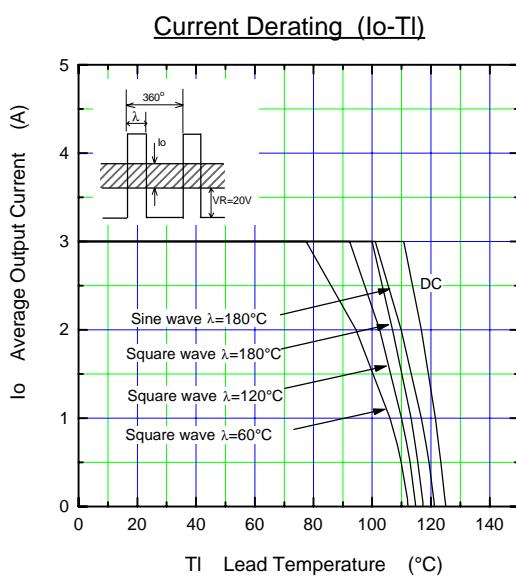
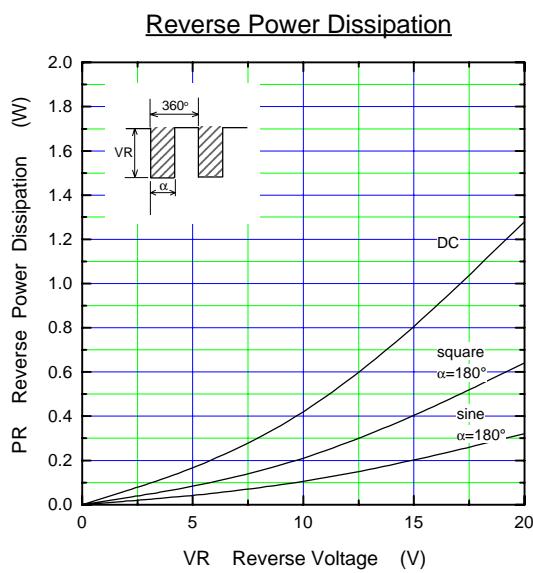
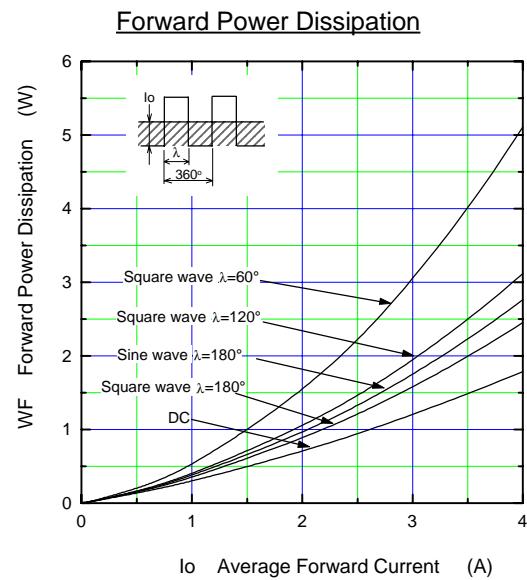
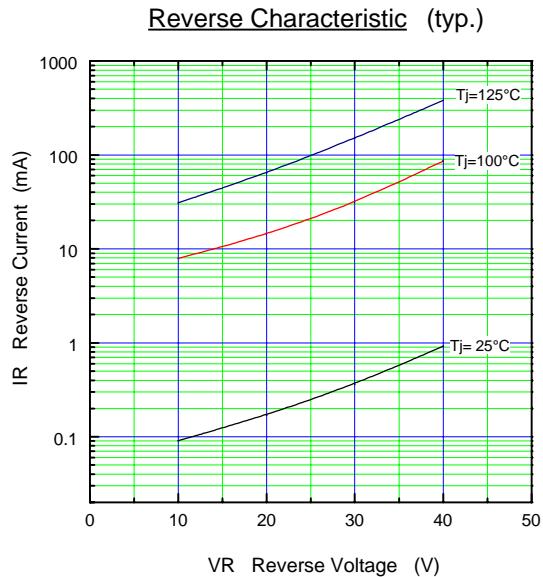
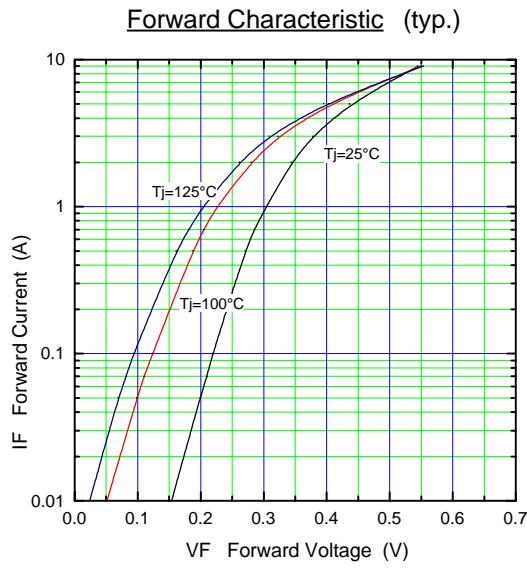
- Absolute maximum ratings

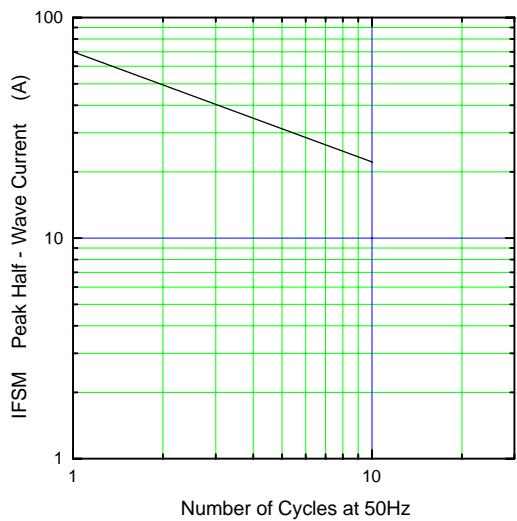
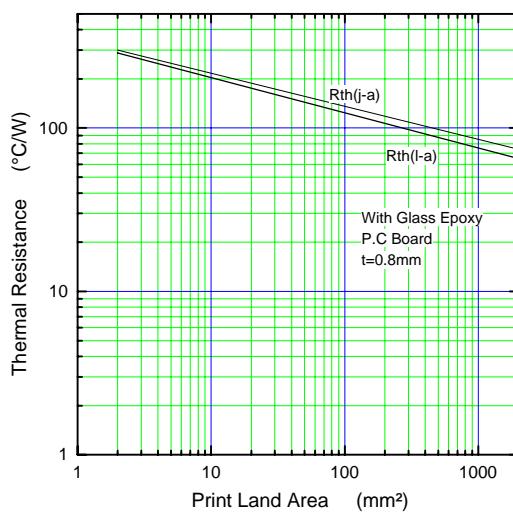
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		40	V
Non-repetitive peak reverse voltage	V_{RSM}	$t_w=500\text{ns}$, duty=1/40	40	V
Average output current	I_o	square wave duty=1/2 $T_J=100^\circ\text{C}$	3.0	A
Surge current	I_{FSM}	Sine wave 10ms, 1shot	70	A
Operating junction temperature	T_j		-40 to +125	$^\circ\text{C}$
Storage temperature	T_{stg}		-40 to +125	$^\circ\text{C}$

- Electrical characteristics (Ta=25°C Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=3.0\text{A}$	0.45	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	1.0	mA
Thermal resistance	$R_{th(j-l)}$	Junction to lead	12	$^\circ\text{C/W}$

■ Characteristics



Surge CapabilityThermal Resistance Print LandTransient Thermal Impedance