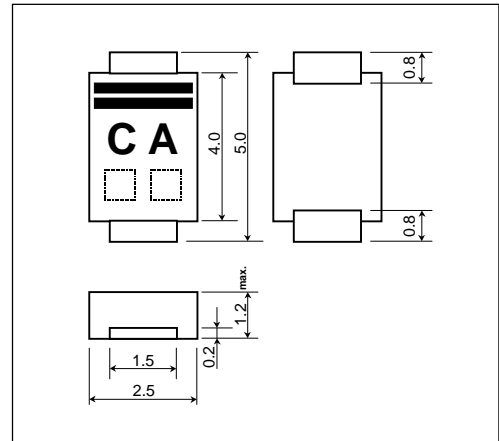
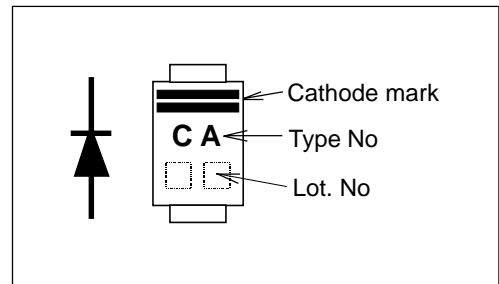


SCHOTTKY BARRIER DIODE**■ Outline drawings, mm****■ Features**

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

■ Applications

- High speed switching

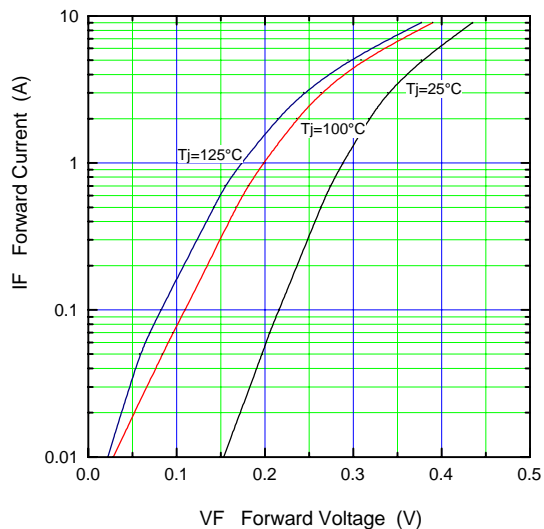
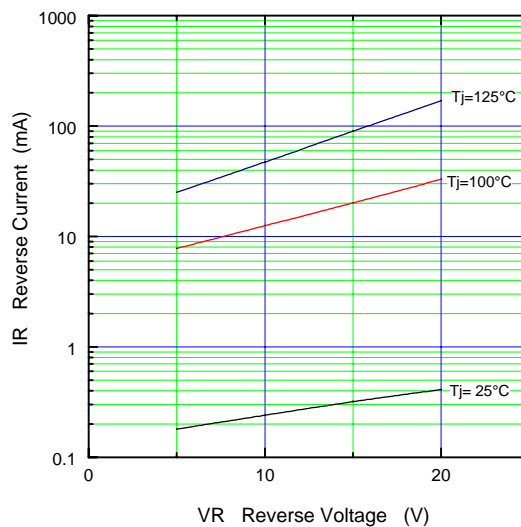
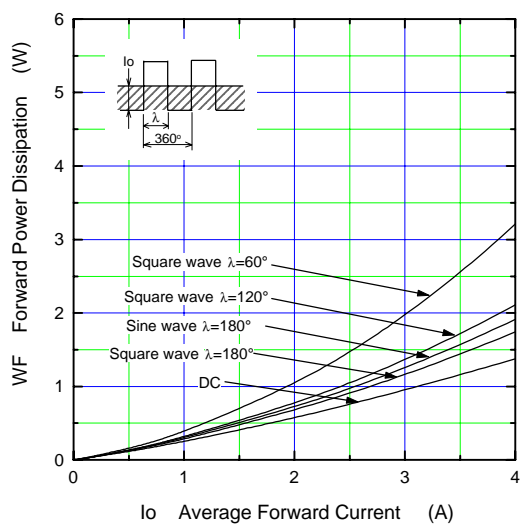
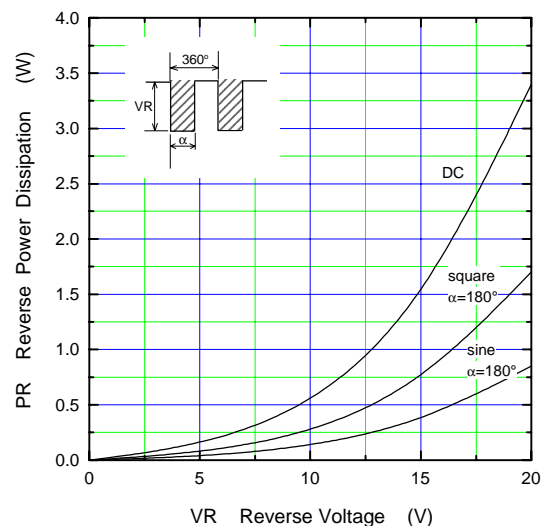
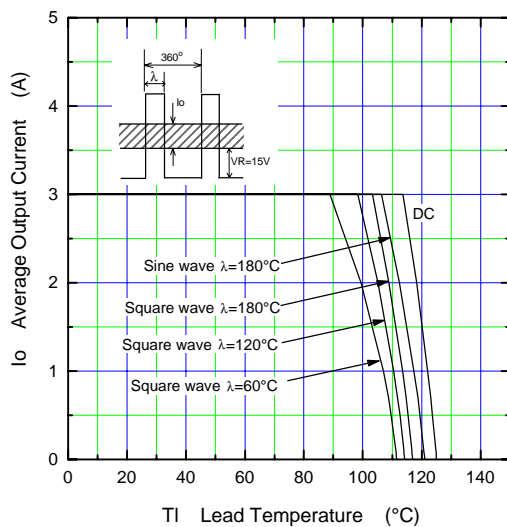
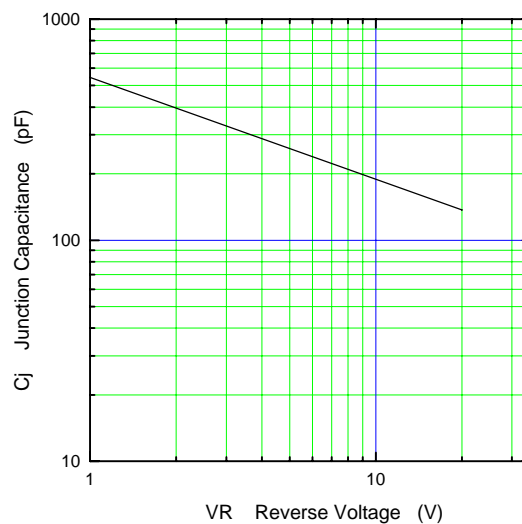
■ Marking**■ Maximum ratings and characteristics**

- Absolute maximum ratings

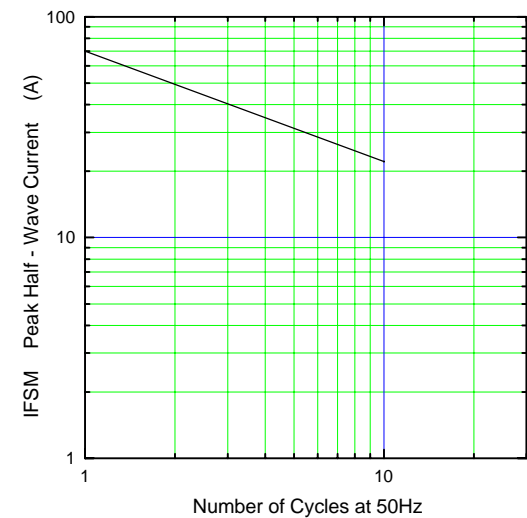
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		20	V
Non-repetitive peak reverse voltage	V_{RSM}	$t_w=500\text{ns}$, $\text{duty}=1/40$	20	V
Average output current	I_o	square wave $\text{duty}=1/2$ $T_l=106^\circ\text{C}$	3.0	A
Surge current	I_{FSM}	Sine wave 10ms, 1shot	70	A
Operating junction temperature	T_j		-40 to +125	$^\circ\text{C}$
Storage temperature	T_{stg}		-40 to +125	$^\circ\text{C}$

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

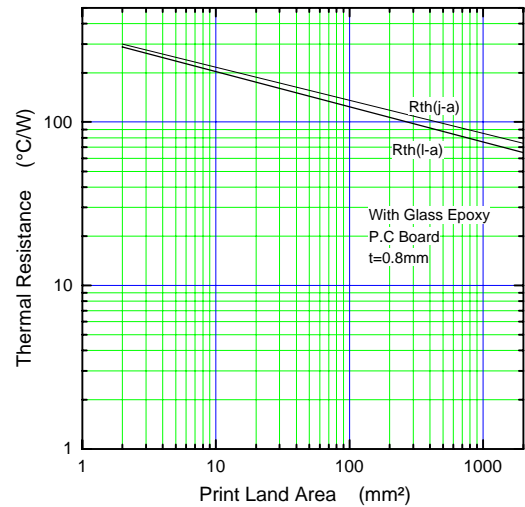
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=3.0\text{A}$	0.39	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	2.0	mA
Thermal resistance	$R_{th(j-l)}$	Junction to lead	12	$^\circ\text{C/W}$

■ Characteristics**Forward Characteristic (typ.)****Reverse Characteristic (typ.)****Forward Power Dissipation****Reverse Power Dissipation****Current Derating (I_O - T_I)****Junction Capacitance Characteristic (typ.)**

Surge Capability



Thermal Resistance Print Land



Transient Thermal Impedance

