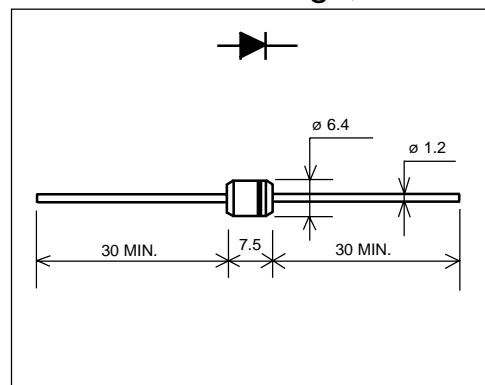


## SCHOTTKY BARRIER DIODE

### ■ Outline drawings, mm



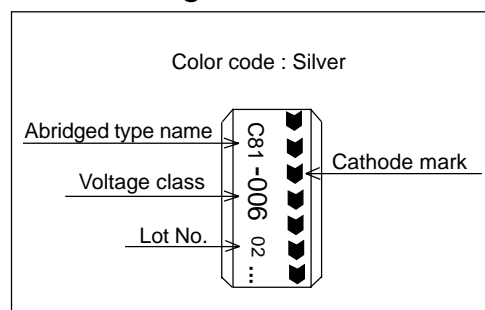
### ■ Features

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

### ■ Applications

- High speed power switching

### ■ Marking



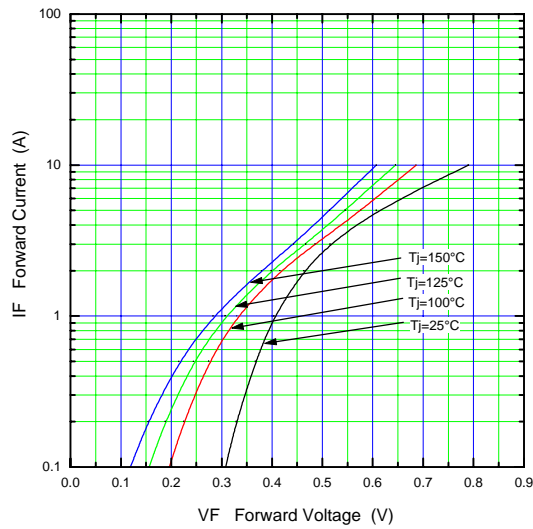
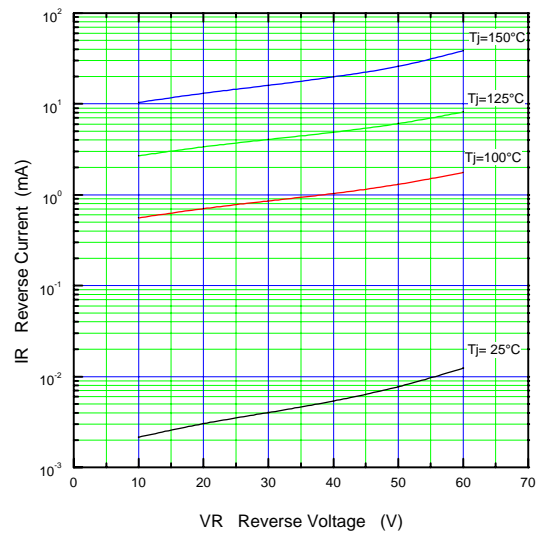
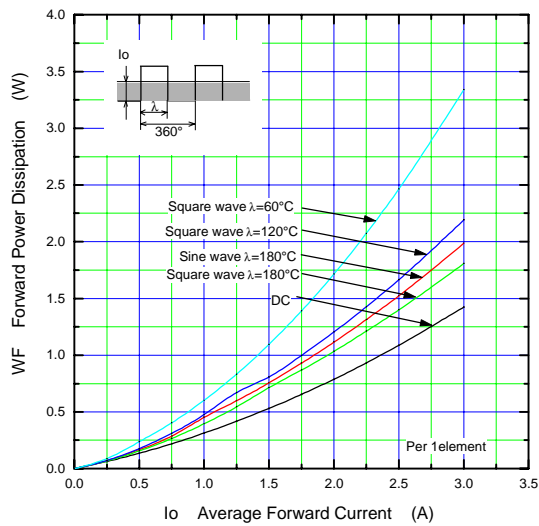
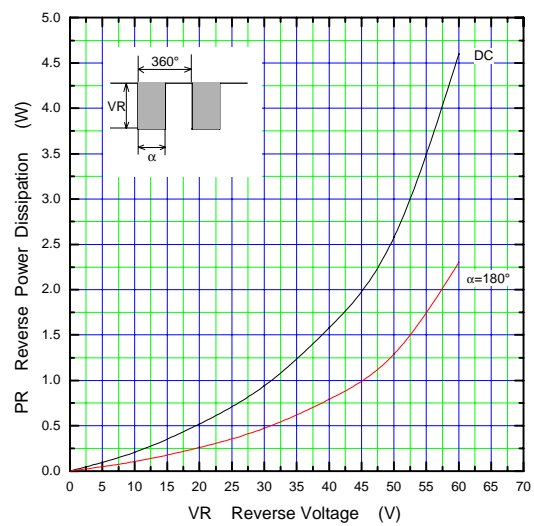
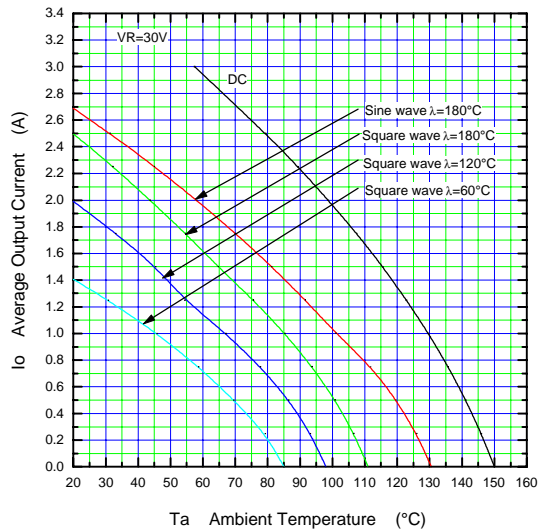
### ■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$		60	V
Average forward current	$I_{F(AV)}$	Square wave, duty=1/2 $T_I=104^{\circ}\text{C}$	3.0	A
Surge current	$I_{FSM}$	Sine wave 10ms	80	A
Operating junction temperature	$T_j$		-40 to +150	$^{\circ}\text{C}$
Storage temperature	$T_{stg}$		-40 to +150	$^{\circ}\text{C}$

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

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_{FM}$	$I_{FM}=3.0\text{A}$	0.58	V
Reverse current	$I_{RRM}$	$V_R=V_{RRM}$	5.0	mA

**■ Characteristics****Forward Characteristic (typ.)****Reverse Characteristic (typ.)****Forward Power Dissipation****Reverse Power Dissipation****Current Derating (Io-Ta)****Current Derating (Io-Tl)**