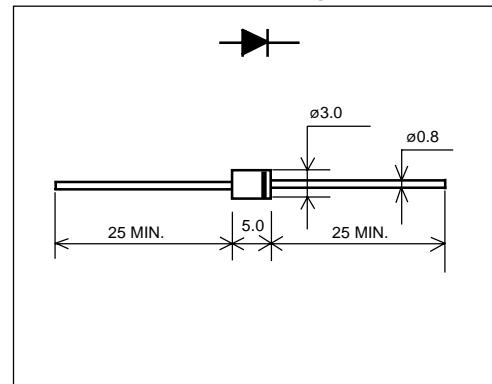


ERB83-006 (2A)

(60V / 2A)

SCHOTTKY BARRIER DIODE

■ Outline drawings, mm



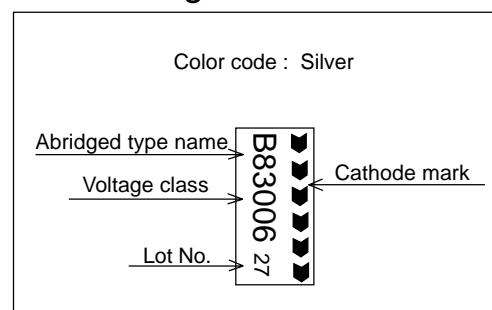
■ Features

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

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

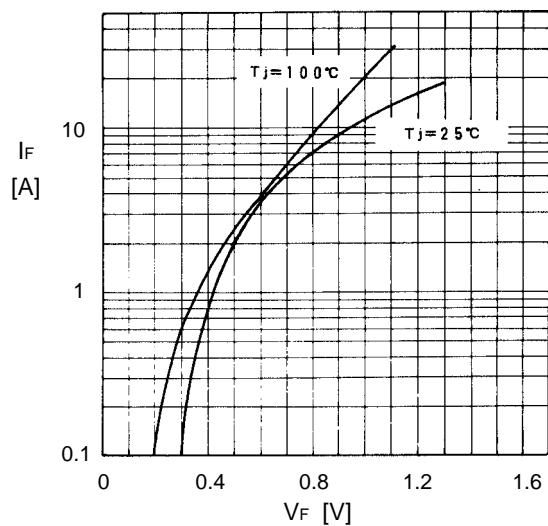
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V _{RRM}		60	V
Average forward current	I _{F(AV)}	Square wave, duty=1/2 T _l =104°C	2.0	A
Surge current	I _{FSM}	Sine wave 10ms	60	A
Operating junction temperature	T _j		-40 to +150	°C
Storage temperature	T _{stg}		-40 to +150	°C

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

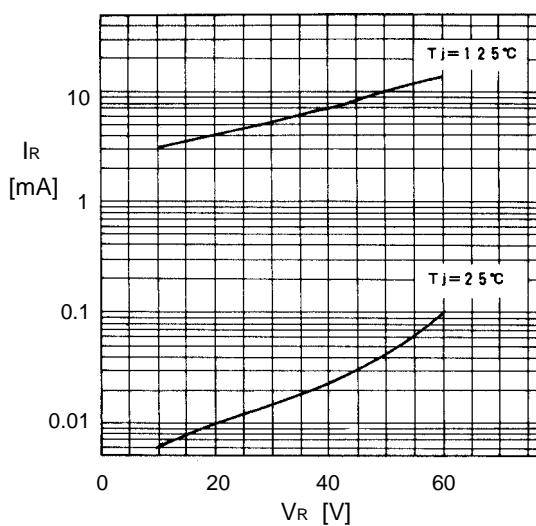
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V _{FM}	I _{FM} =2.0A	0.58	V
Reverse current	I _{RRM}	V _R =V _{RRM}	5.0	mA

■ Characteristics

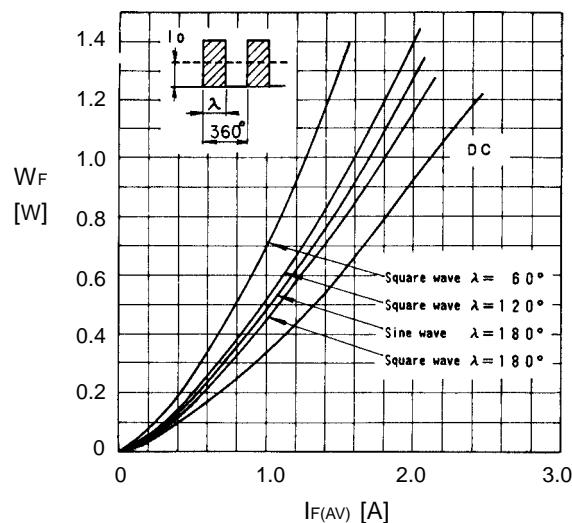
Forward characteristics



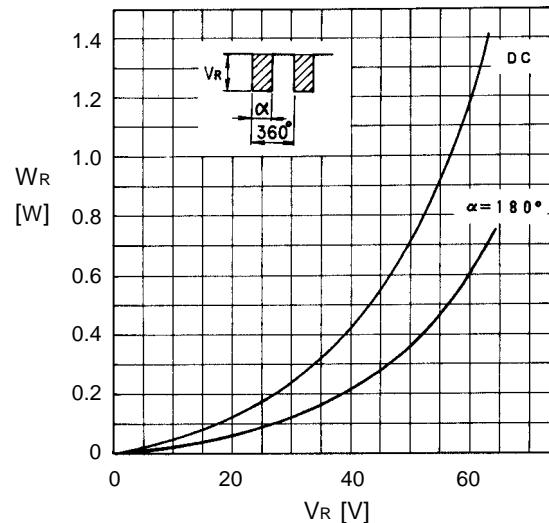
Reverse characteristics



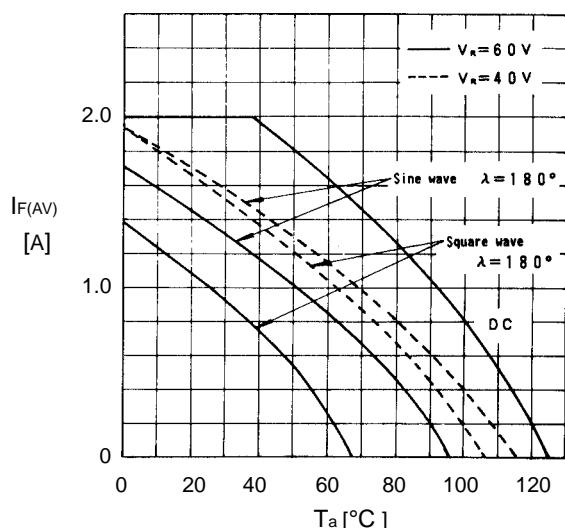
Forward power dissipation



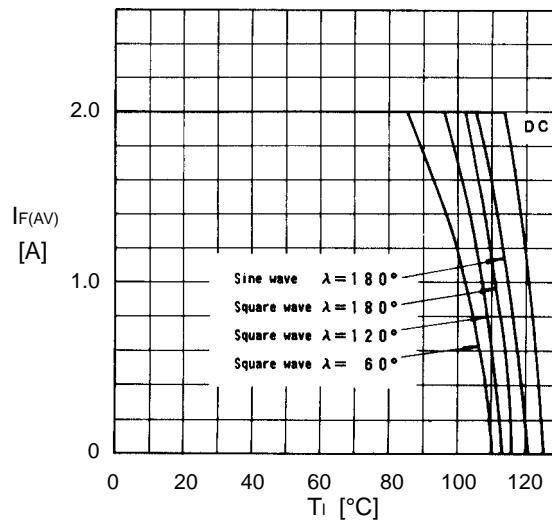
Reverse power dissipation



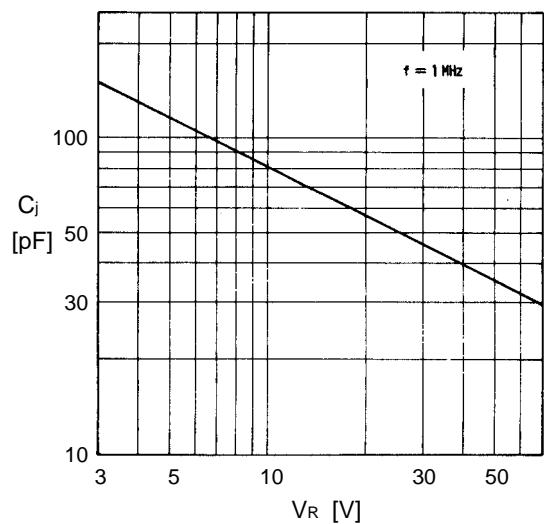
Current derating ($I_{F(AV)}$ -Ta)



Current derating ($I_{F(AV)}$ -Ti)



Junction capacitance characteristics



Surge capability

