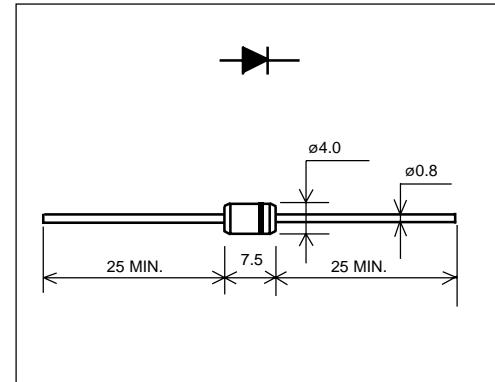


ERB35 (1A)

(200V / 1A)

FAST RECOVERY DIODE

■ Outline drawings, mm



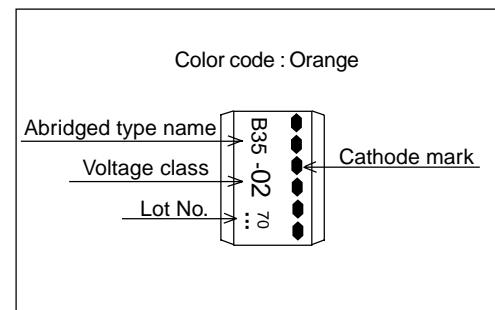
■ Features

- Soft recovery, low noise
- High reliability

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

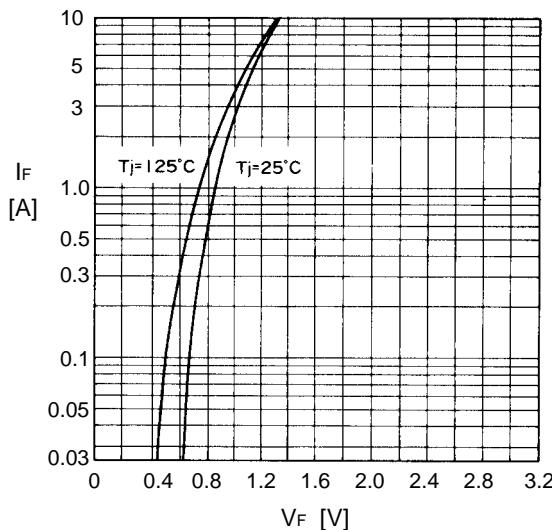
Item	Symbol	Conditions	Rating	Unit
			-02	
Repetitive peak reverse voltage	V_{RRM}		200	V
Average forward current	$I_{F(AV)}$	Square wave, duty=1/2, $T_a = 25^\circ C$	1.0	A
Surge current	I_{FSM}	Sine wave 10ms	30	A
Operating junction temperature	T_j		-40 to +150	°C
Storage temperature	T_{stg}		-40 to +150	°C

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

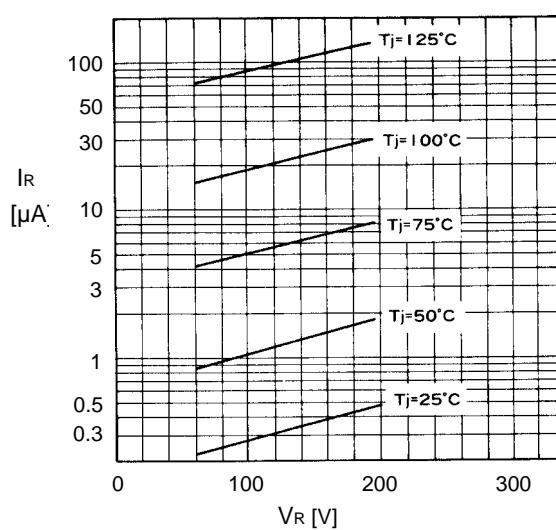
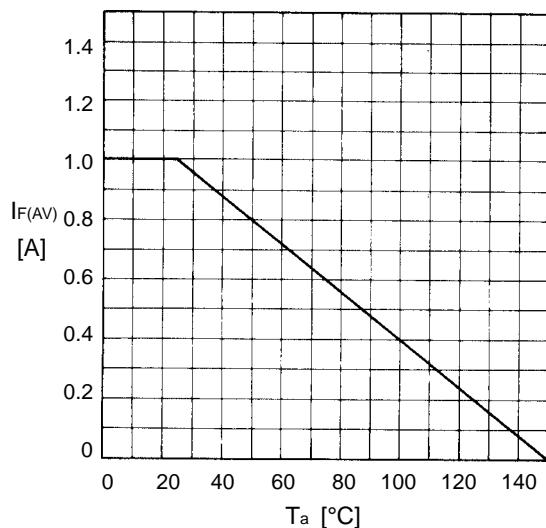
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=1.0A$	1.1	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	10	μA
Reverse recovery time	t_{rr}	$I_F=0.1A, I_R=0.1A$	100	ns

■ Characteristics

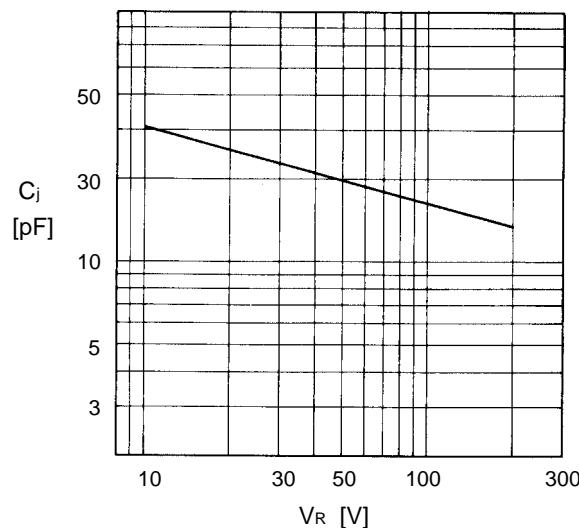
Forward characteristics



Reverse characteristics

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

Junction capacitance characteristics



Surge capability

