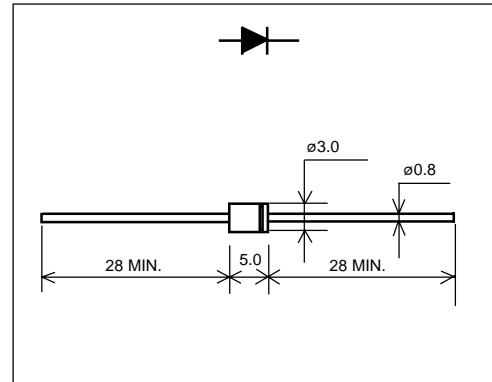


ERB37 (1.0A)

(800 to 1000V / 1.0A)

FAST RECOVERY DIODE

■ Outline drawings, mm



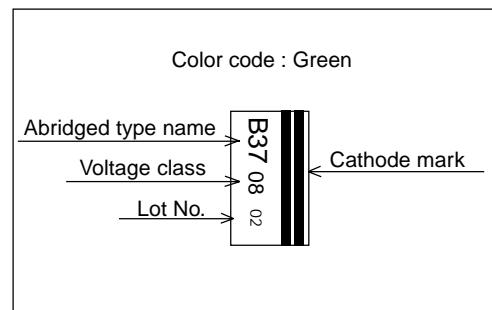
■ Features

- Super high speed switching
- Low VF in turn on
- High reliability

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating		Unit
			-08	-10	
Repetitive peak reverse voltage	V _{RRM}		800	1000	V
Non-repetitive peak reverse voltage	V _{RSM}		800	1000	V
Average forward current	I _{F(AV)}	Resistive load (T _J =125°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 (Ta=25°C Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V _{FM}	I _{FM} =1.0A	3.0	V
Reverse current	I _{RRM}	V _R =V _{RRM}	10	μA
Reverse recovery time	t _{rr}	I _F =0.1A, I _R =0.1A	250	ns

■ Characteristics

