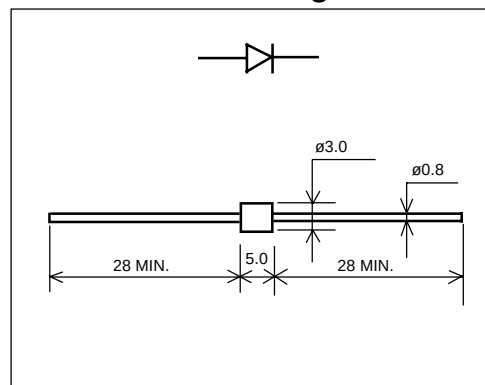


ERB12 (1.0A)

(100V to 1000V / 1.0A)

GENERAL USE RECTIFIER DIODE

■ Outline drawings, mm



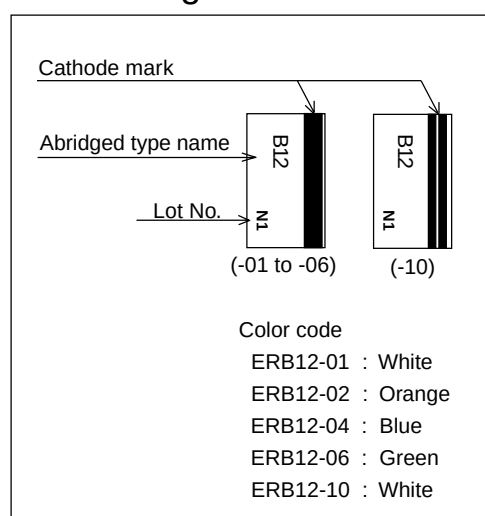
■ Features

- Compact size, light weight
- High reliability

■ Applications

- General purpose rectifier applications

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

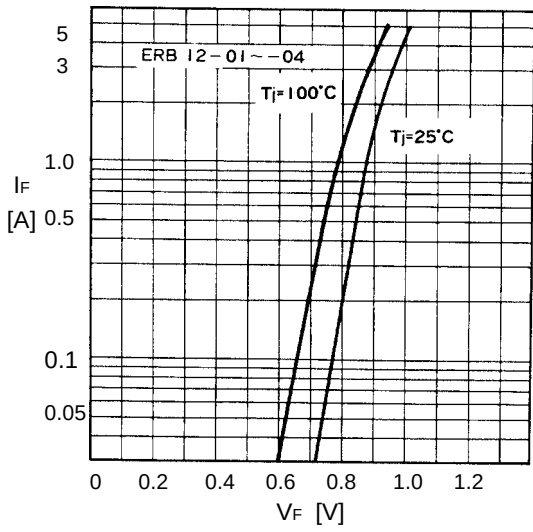
Item	Symbol	Conditions	Rating					Unit
			-01	-02	-04	-06	-10	
Repetitive peak reverse voltage	V_{RRM}		100	200	400	600	1000	V
Average forward current	$I_{F(AV)}$	Resistive load	1.0 ($T_a=60^{\circ}C$)				1.0 ($T_a=25^{\circ}C$)	A
Surge current	I_{FSM}	Sine wave 10ms	60				40	A
Operating junction temperature	T_j		-40 to +140					$^{\circ}C$
Storage temperature	T_{stg}		-40 to +140					$^{\circ}C$

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

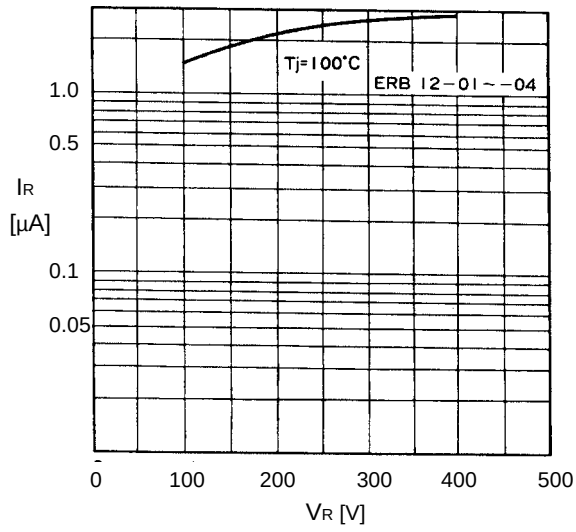
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$T_j=25^{\circ}C$ $I_{FM}=2.0A$	1.1	V
Reverse current	I_{RRM}	$T_j=25^{\circ}C$ $V_R=V_{RRM}$	10	μA

■ Characteristics

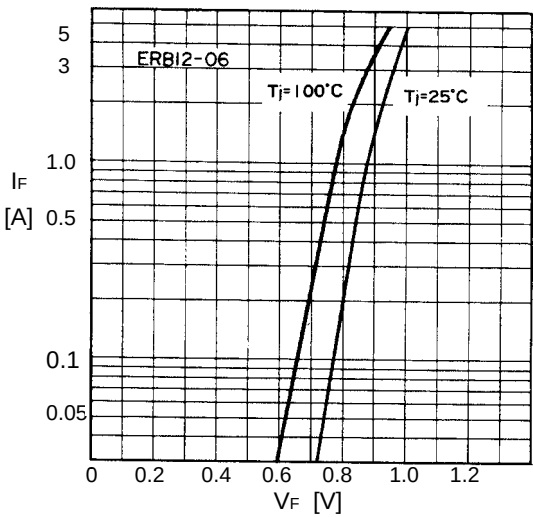
Forward characteristics



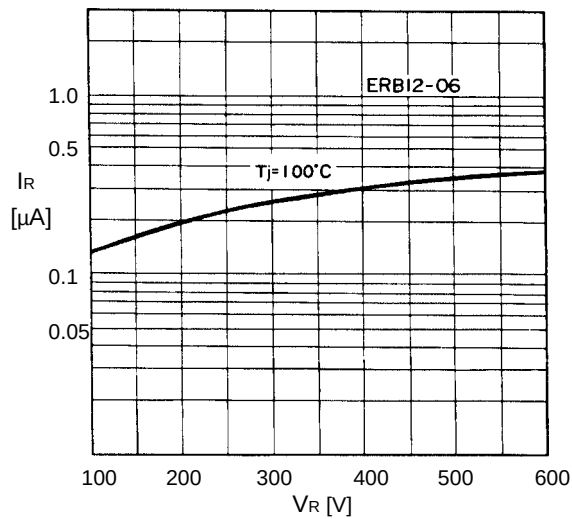
Reverse characteristics



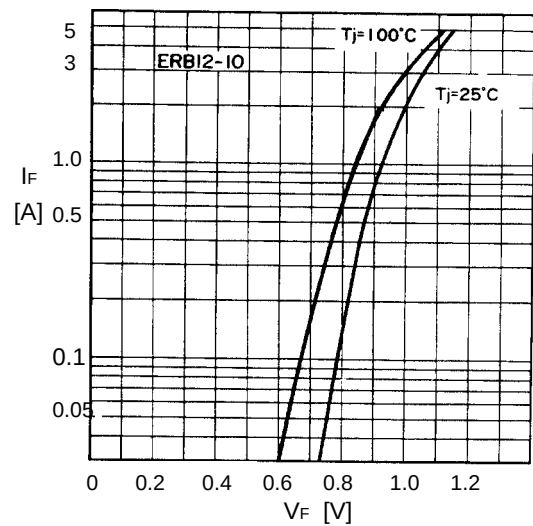
Forward characteristics



Reverse characteristics



Forward characteristics



Reverse characteristics

