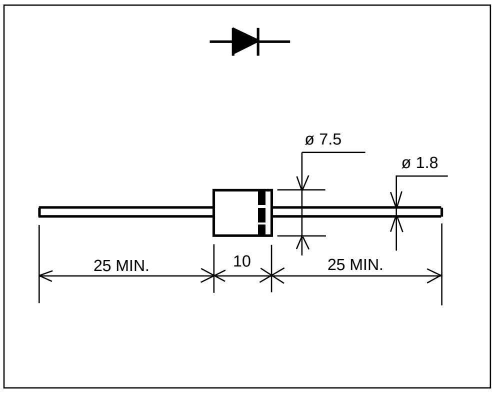
ERD29 (2.5A) (200 to 600V / 2.5A)

FAST RECOVERY DIODE

■ Outline drawings, mm



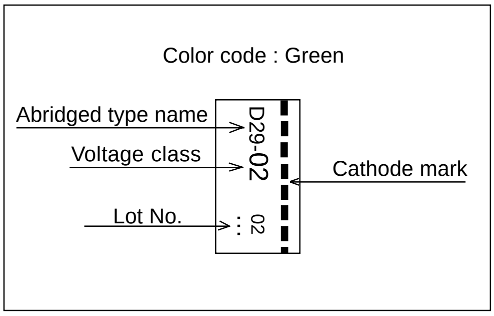
■ Features

- Large cureent
- High voltage by mesa design
- High reliability

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

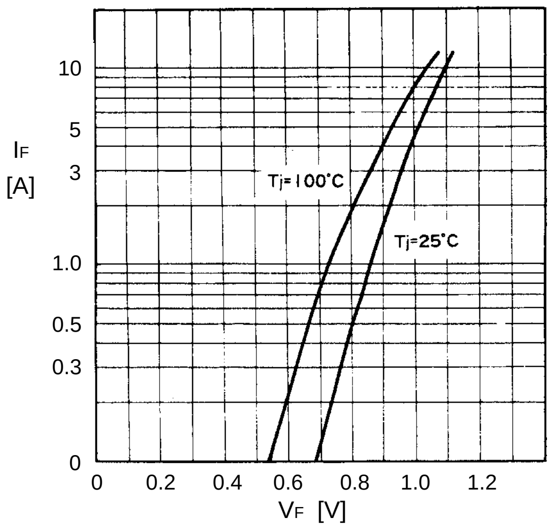
Item	Symbol	Conditions	Rating			Unit
			-02	-04	-06	
Repetitive peak reverse voltage	V_{RRM}		200	400	600	V
Average forward current	$I_{F(AV)}$	Resistive load (Ta=25°C)	2.5			A
Surge current	I_{FSM}	Sine wave 10ms	70			A
Operating junction temperature	T_j		-30 to +125			°C
Storage temperature	T_{stg}		-30 to +125			°C

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

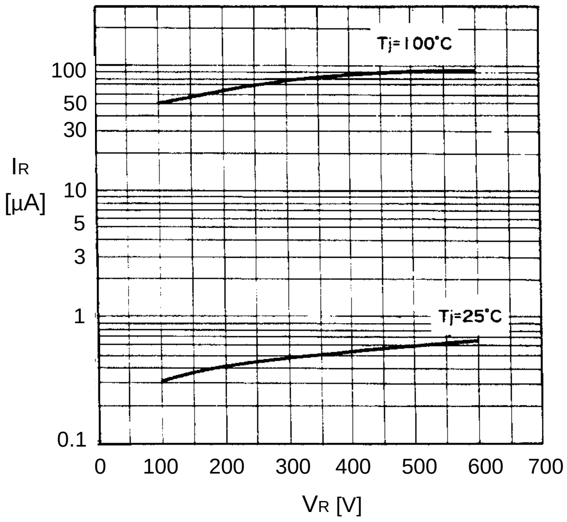
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	I_{FM}=2.5A	1.1	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	10	µA
Reverse recovery time	t_{rr}	I_F=0.1A, I_R=0.1A	0.4	µs

Characteristics

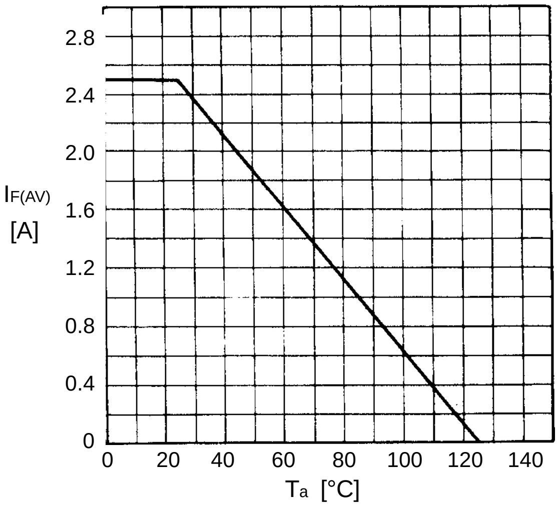
Forward characteristics



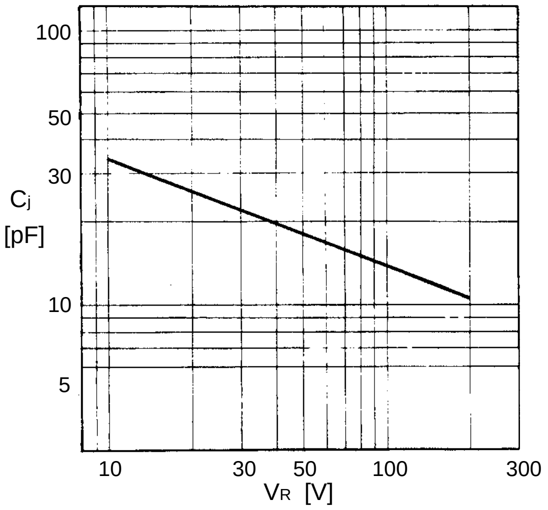
Reverse characteristics



Current derating (IF(AV)-Ta)



Junction capacitance characteristics



Surge capability