

LOW LOSS SUPER HIGH SPEED RECTIFIER

■ Features

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

■ Applications

- High speed power switching

■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		200	V
Average output current	I_o	Square wave, duty=1/2, $T_c=120^\circ C$	5*	A
Surge current	I_{FSM}	Sine wave 10ms	25	A
Operating junction temperature	T_j		-40 to +150	°C
Storage temperature	T_{stg}		-40 to +150	°C

* Average forward current of centertap full wave connection

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

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=2.5A$	0.95	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	100	μA
Reverse recovery time	t_{rr}	$I_f=0.1A, I_r=0.2A, I_{rec}=0.05A$	35	ns
Thermal resistance	$R_{th(j-c)}$	Junction to case	5.0*	°C/W

■ Characteristics



