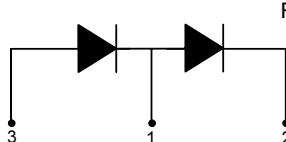


SOT23 SILICON PLANAR HIGH SPEED SWITCHING DIODE PAIR (SERIES)

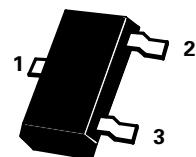
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FMMD7000

DIODE PIN CONNECTION



PARTMARKING DETAIL – 5C



SOT23

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Breakdown Voltage Voltage ($I_R=100\mu A$)	$V_{(BR)}$	70	V
Peak Forward Current	I_F	200	mA
Peak Forward Surge Current	$I_{F\text{M}}$	500	mA
Power Dissipation at $T_{\text{amb}} = 25^\circ\text{C}$	P_{tot}	330	mW
Operating and Storage Temperature Range	$T_j:T_{\text{stg}}$	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (at $T_{\text{amb}} = 25^\circ\text{C}$ unless otherwise stated).

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.
Breakdown Voltage	$V_{(BR)}$	100		V	$I_R=10\mu A$
Forward Voltage	V_F	0.5 0.8	0.7 1.1	V V	$I_F=1\text{mA}$ $I_F=100\text{mA}$
Reverse Current	I_R		0.3	μA	$V_R=50\text{V}$
Recovery Time*	t_{rr}		15	ns	$I_F=I_R=10\text{mA}$, $I_R(\text{REC})=1.0\text{mA}$
Diode Capacitance	C_d		2.5	pF	$V_R=0$, $f=1\text{MHz}$

Spice parameter data is available upon request for this device