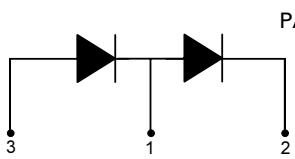
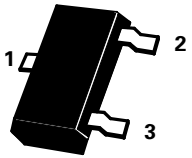
SOT23 SILICON PLANAR HIGH SPEED SWITCHING DIODE PAIR (SERIES)

FMMD7000

ISSUE 2 - OCTOBER 1995

DIODE PIN CONNECTION





SOT23

ABSOLUTE MAXIMUM RATINGS.

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

ELECTRICAL CHARACTERISTICS (at T_{amb} = 25°C unless otherwise stated).

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

Spice parameter data is available upon request for this device