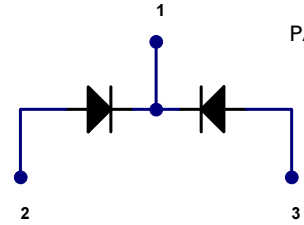
SOT23 SILICON PLANAR HIGH SPEED SWITCHING COMMON CATHODE DIODE PAIR

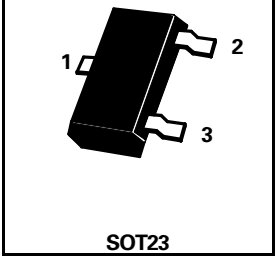
FMMD2838

ISSUE 2 – NOVEMBER 1996

DIODE PIN CONNECTION



PARTMARKING DETAIL – ZA6



SOT23

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Breakdown Voltage Voltage (I_R=100μA)	$V_{(BR)}$	75	V
Average Rectified Forward Current †	$I_{F(AV)}$	100	mA
Repetitive Peak Forward Surge Current	I_{FRM}	200	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

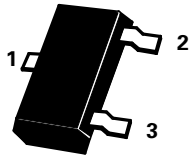
ELECTRICAL CHARACTERISTICS (at T_{amb} = 25°C unless otherwise stated).

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.
Forward Voltage	V_F		1.0 1.0 1.2	V V V	I_F=10mA I_F=50mA I_F=100mA
Reverse Current	I_R		100	nA	V_R=30V
Recovery Time*	t_{rr}		6	ns	I_F= I_R=10mA, $I_{R(REC)}$ =1.0mA
Diode Capacitance	C_d		4	pF	V_R=0, f=1MHz

*For switching test circuit diagram see page
†Over any 20ms period
Spice parameter data is available upon request for this device

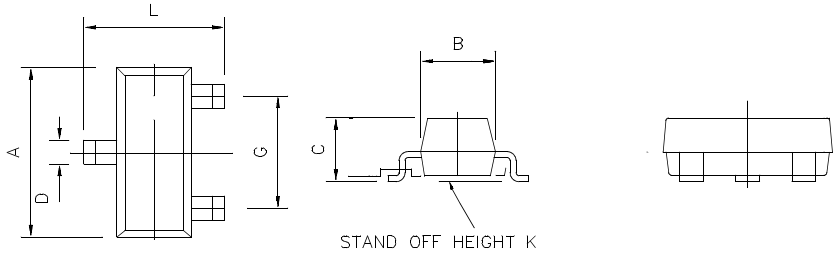
ZETEX

FLLD2838



DIM	Millimeters		Inches	
	Min	Max	Min	Max
A	2.67	3.05	0.105	0.120
B	1.20	1.40	0.047	0.055
C	–	1.10	–	0.043
D	0.37	0.53	0.0145	0.021
F	0.085	0.15	0.0033	0.0059
G	NOM 1.9		NOM 0.075	
K	0.01	0.10	0.0004	0.004
L	2.10	2.50	0.0825	0.0985
N	NOM 0.95		NOM 0.37	

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