



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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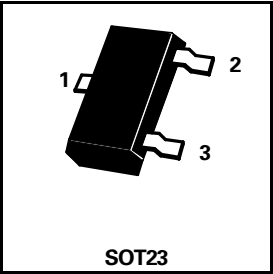
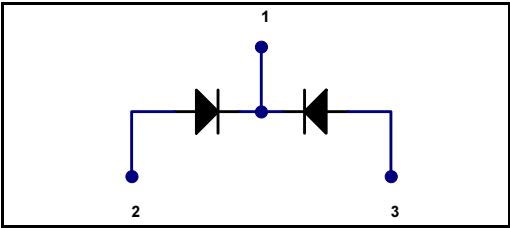
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SOT23 SILICON PLANAR LOW LEAKAGE
COMMON CATHODE DIODE PAIR

ISSUE 2 – SEPTEMBER 1995

FLLD258



PART MARKING DETAIL – D58

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Average Rectified Forward Current	$I_{F(AV)}$	250	mA
Non-Repetitive Peak Forward Current ($t=1\mu s$)	I_{FSM}	3.0	A
Power Dissipation at $T_{amb} = 25^{\circ}C$	P_{tot}	330	mW
Operating and Storage Temperature Range	$T_j: T_{stg}$	-55 to +150	$^{\circ}C$

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

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.
Reverse Current	I_R		3 5	nA μA	$V_{RRM}=50V$ $V_{RRM}=100V, T_{amb}=150^{\circ}C$
Reverse Recovery Time*	t_{rr}		400	ns	$I_F = I_R = 50 - 400mA$
Forward Recovery Time	t_{fr}		10	ns	$I_F = 10mA$
Diode Capacitance	C_d		4	pF	$V_R = 1V, f = 1MHz$
Forward Overshoot Voltage	V_{fr}		Typ 0.9	V	$I_F = 10mA$, Rise time = $5ns \pm 20\%$
Forward Voltage	V_F		1.4	V	$I_F = -200mA$

*Time for I_R to recover to 10% of I_R peak
For typical characteristics graphs see FLLD263 datasheet.

TYPICAL CHARACTERISTICS

