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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

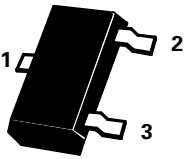
SOT23 SILICON PLANAR VARIABLE CAPACITANCE DIODE

FMMV3102

ISSUE 3 – JANUARY 1998

PIN CONFIGURATION

PARTMARKING DETAIL
FMMV3102 – 4C



SOT23

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
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.	TYP.	MAX.	UNIT	CONDITIONS.
Reverse Breakdown Voltage	V_{BR}	30			V	I_R = 10μA
Reverse current	I_R			10	nA	V_R = 25V
Series Inductance	L_S		3.0		nH	f=250MHz
Diode Capacitance Temperature Coefficient	T_{CC}		280		ppm/ °C	V_R = 3V, f=1MHz
Case Capacitance	C_C		0.1		p_F	f=1MHz

TUNING CHARACTERISTICS (at T_{amb} = 25°C).

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITIONS.
Diode Capacitance	C_d	20		25	pF	V_R = 3V, f=1MHz
Capacitance Ratio	C_d / C_d	4.5				V_R = 3V/25V, f=1MHz
Figure of MERIT	Q	200	300			V_R = 3V, f=50MHz

Spice parameter data is available upon request for this device