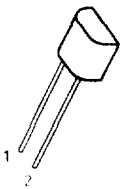
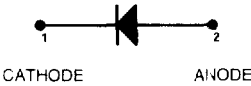


SCHOTTKY BARRIER DIODES

ZC2800
ZC2811
ZC5800

ISSUE 2 – MARCH 94

DIODE PIN CONNECTION



E-Line
TO92 Compatible

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	ZC2800,ZC2811,ZC5800	UNIT
Power Dissipation at $T_{amb} = 25^{\circ}C$	P_{tot}	250	mW
Operating and Storage Temperature Range	T_j, T_{stg}	-55 to +200	$^{\circ}C$

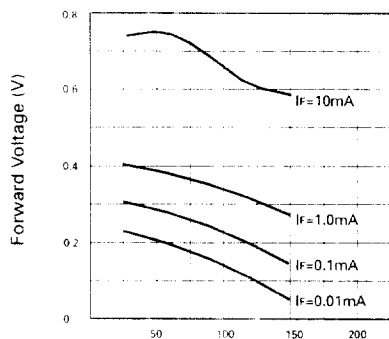
ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^{\circ}C$).

PARAMETER	TYPE	SYMBOL	MIN.	TYP	MAX.	UNIT	CONDITIONS
Breakdown Voltage	ZC2800 ZC2811 ZC5800	V_{BR}	70 15 50			V V V	$I_R = 10\mu A$
Reverse Leakage Current	ZC2800 ZC2811 ZC5800	I_R			200 100 200	nA nA nA	$V_R = 50V$ $V_R = 10V$ $V_R = 35V$
Forward Voltage	ZC2800 ZC2811 ZC5800	V_F			410 410 410	mV mV mV	$I_F = 1mA$
Forward Current	ZC2800 ZC2811 ZC5800	I_F	15 20 15			mA mA mA	$V_F = 1V$
Capacitance	ZC2800 ZC2811 ZC5800	C_T			2.0 1.2 2.0	pF pF pF	$V_R = 0 V, f = 1MHz$
Effective Minority Lifetime (1)	ZC2800 ZC2811 ZC5800	τ			100 100 100	ps ps ps	$f = 54 MHz$ $I_{pk} = 20mA$

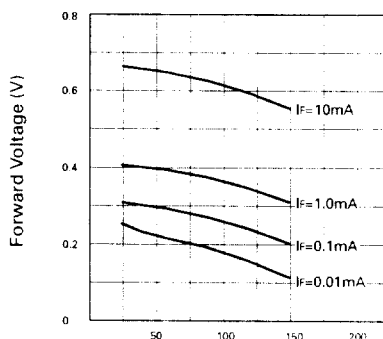
(1) Sample Test.

ZC2800
ZC2811
ZC5800

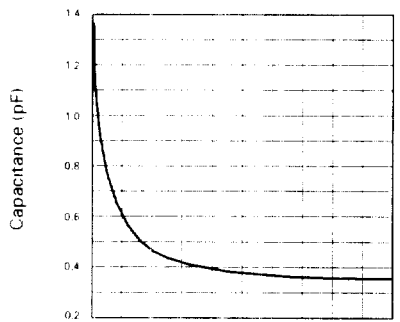
TYPICAL CHARACTERISTICS



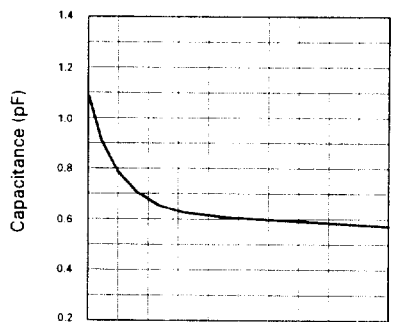
(ZC2800 & ZC5800)



(ZC2811)



(ZC2800 & ZC5800)



(ZC2811)

ZC2800
ZC2811
ZC5800

TYPICAL CHARACTERISTICS

