

Excellent Integrated System Limited

Stocking Distributor

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[ZC2800ETA](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

SOT23 SCHOTTKY BARRIER DIODES

ZC2800E
ZC2811E
ZC5800E

ISSUE 2 – MARCH 1995



DIODE PIN CONNECTION

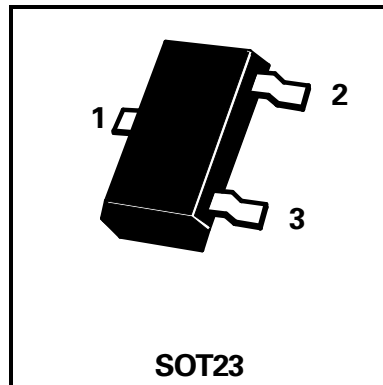


PARTMARKING DETAIL

ZC2800E – E6

ZC2811E – E8

ZC5800E – E9



ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Power Dissipation at $T_{amb} = 25^{\circ}C$	P_{tot}	330	mW
Operating and Storage Temperature Range	$T_j; T_{stg}$	-55 to +150	$^{\circ}C$

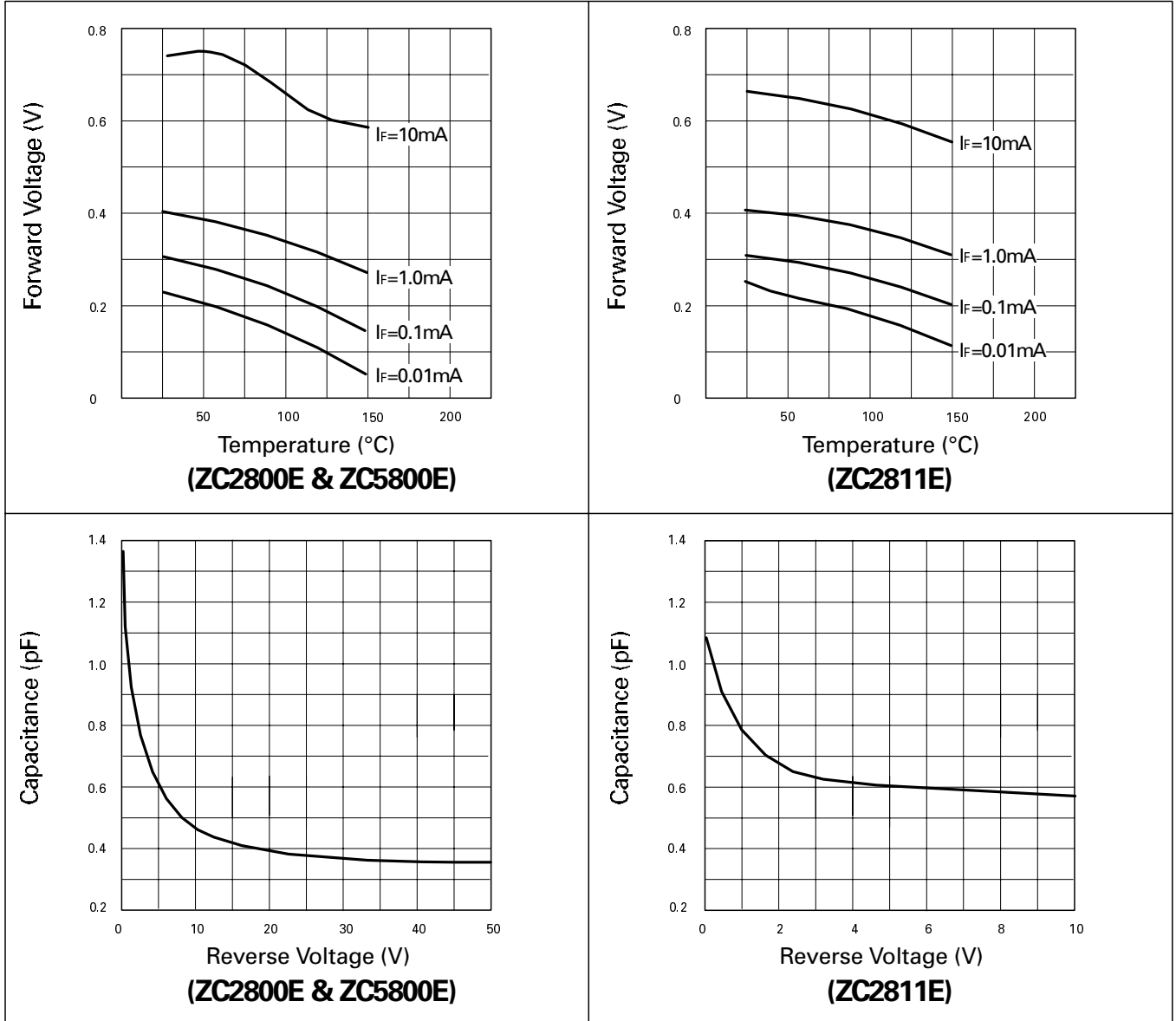
ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^{\circ}C$).

PARAMETER	TYPE	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITIONS.
Breakdown Voltage	ZC2800E ZC2811E ZC5800E	V_{BR}	70 15 50			V V V	$I_R = 10\mu A$
Reverse Leakage Current	ZC2800E ZC2811E ZC5800E	I_R			200 100 200	nA nA nA	$V_R = 50V$ $V_R = 10V$ $V_R = 35V$
Forward Voltage	ZC2800E ZC2811E ZC5800E	V_F			410 410 410	mV mV mV	$I_F = 1mA$
Forward Current	ZC2800E ZC2811E ZC5800E	I_F	15 20 15			mA mA mA	$V_F = 1V$
Capacitance	ZC2800E ZC2811E ZC5800E	C_T			2.0 1.2 2.0	pF pF pF	$V_R = 0V, f = 1MHz$
Effective Minority Lifetime (1)	ZC2800E ZC2811E ZC5800E	τ			100 100 100	ps ps ps	$f = 54MHz$ $I_{pk} = 20mA$

(1) Sample Test.

**ZC2800E
 ZC2811E
 ZC5800E**

TYPICAL CHARACTERISTICS



ZC2800E
ZC2811E
ZC5800E

TYPICAL CHARACTERISTICS

