

# SOT23



## VARIABLE CAPACITANCE TUNER DIODES

Pinout : 1-Cathode, 3-Anode

Type	Reverse Breakdown Voltage $V_R$ V	Nominal Capacitance at f=1MHz $C_{tot}$			Capacitance Ratio at f=1MHz $C_3/C_{25}$			Q at $V_R=3V$ f=50MHz
		Min pF	Max pF	at $V_R$ V	Min	Typ	Max	Typ
BBY31	28	1.8	2.8	25	-	5.0	-	-
BBY40	28	26.0 4.3	32.0 6.0	3 25	5.0	-	6.5	-
FMMV105G	30	1.8	2.8	25	4.0	-	6.0	350
FMMV109	30	26.0	32.0	3	5.0	-	6.5	250
FMMV3102	30	26.0	25.0	3	4.5	-	-	300

## DUAL SCHOTTKY BARRIER DIODES

Type	$V_{BR}$ at $I_R=10\mu A$	$V_F$ at $I_F=1mA$	$I_R$		$I_F$ at $V_F=1V$	$C_T$ at $V_R=0V$ f=1MHz	Pin Configuration
	Min V	Max mV	Max nA	$V_R$ Volts	Min mA	Max pF	
BAS70-04	70	410	200	50	15	2.0	Series
BAS70-05	70	410	200	50	15	2.0	Common Cathode
BAS70-06	70	410	200	50	15	2.0	Common Anode
ZBAT54A	30	320	2000	25	200	10	Common Anode
ZBAT54C	30	320	2000	25	200	10	Common Cathode
ZBAT54S	30	320	2000	25	200	10	Series
ZC2812E	15	410	100	10	20	1.2	Series
ZC2813E	15	410	100	10	20	1.2	Common Anode

## SCHOTTKY BARRIER DIODES

Pinout : 1-Anode-, 3-Cathode

Type	$V_{BR}$ at $I_R=10\mu A$	$V_F$ at $I_F=1mA$	$I_R$		$I_F$ at $V_F=1V$	$C_T$ at $V_R=0V$ f=1MHz
	Min V	Max V	Max nA	$V_R$ Volts	Min mA	max pF
ZC2800E	70	410	200	50	15	2.0
ZC2810E*	20	410	100	15	35	1.2
ZC2811	15	410	100	10	20	1.2
ZC5800E	50	410	200	35	15	2.0
ZBAT54	30	320	2000	25	200	10

\*Not recommended for New "Design In" - Only offered where stock availability exists.

## ZENER DIODES

Pinout : 1-Cathode, 3-Anode

Type	Range V	Voltage Tolerance %	$P_{tot}$ mW	$I_{ZRM}$ mA	$I_{FRM}$ mA
BZX84	2V7 to 47V	5 or 10	330	200	200
FMMZ5232-5257	5V6 to 33V	5	330	200	200