SOT23

HYPERABRUPT TUNER DIODES

Pinout : 1-Cathode, 3-Anode

Type	Reverse Breakdown Voltage	Nominal Capacitance at V_R=2V, f=1MHz C_{tot}			Capacitance Ratio at f=1MHz C_2/C_{20}		Q at V_R=3V f=50MHz	Device Code
	V_R V	Min pF	Typ pF	Max pF	Min	Max	Typ	
ZC830A	25	9.0	10.0	11.0	4.5	6.0	300	J1A
ZC831A	25	13.5	15.0	16.5	4.5	6.0	300	J3A
ZC832A	25	19.8	22.0	24.2	5.0	6.5	200	J4A
ZC833A	25	29.7	33.0	36.3	5.0	6.5	200	J2A
ZC834A	25	42.3	47.0	51.7	5.0	6.5	200	J5A
ZC835A	25	61.2	68.0	74.8	5.0	6.5	100	J6A
ZC836A	25	90.0	100.0	110.0	5.0	6.5	100	J7A

Devices are also available with 5% and 20% tolerances. No suffix = ± 20% (eg. ZC830)
Suffix B=± 5% (eg. ZC830B)

HYPERABRUPT TUNER DIODES

Pinout : 1-Cathode, 3-Anode

Type	Reverse Breakdown Voltage	Capacitance at V_R=4V		Capacitance at V_R=20V		Figure of merit minimum Q at V_R=4V f=50MHz	Device Code
	V_R V	Min pF	Max pF	Min pF	Max pF	Typ	
ZC840	22	2.5	3.3	0.6	0.85	600	V05
ZC841	22	4.5	5.5	0.9	1.20	600	V07

HYPERABRUPT TUNER DIODES

Pinout : 1-Cathode, 3-Anode

Type	Breakdown Voltage	Capacitance @V_R=1Volts	Capacitance @V_R=2.5 Volts		Capacitance @V_R=4 Volts	Figure of merit minimum Q V_R=4 Volts, f=50MHz	Device Code
	V	Min. pF	Min. pF	Max. pF	Max. pF		
ZC930	12	8.70	4.30	5.50	2.90	350	V15
ZC931	12	14.50	6.50	7.80	4.00	300	V14
ZC932	12	17.00	8.50	10.50	5.50	200	V13
ZC933	12	42.00	18.00	27.00	12.00	150	V17
ZC933A	12	42.00	20.25	24.75	12.00	150	A17
ZC934	12	95.00	40.00	65.00	25.00	80	V16
ZC934A	12	95.00	47.25	57.75	25.00	80	A16

SILICON ABRUPT TUNER DIODES

Pinout : 1-Cathode, 3-Anode

Type	Reverse breakdown voltage V_R	Nominal capacitance at VR=4V, f=1MHz Ctot pF			Capacitance ratio f=1MHz C_2/C_{30}	Q at V_R=4V f=50MHz	P_{tot}
	Volts Max	min	typ	max	min	min	mW
FMMV2101	30	6.12	6.8	7.48	2.5	450	330
FMMV2102	30	7.3	8.2	9.0	2.6	450	330
FMMV2103	30	9.0	10.0	11.0	2.6	400	330
FMMV2104	30	10.8	12.0	13.2	2.6	400	330
FMMV2105	30	13.5	15.0	16.5	2.6	400	330
FMMV2106	30	16.2	18.0	19.8	2.7	350	330
FMMV2107	30	19.8	22.0	24.2	2.7	350	330
FMMV2108	30	24.3	27.0	29.7	2.7	300	330
FMMV2109	30	29.7	33.0	36.3	2.7	280	330