

**GENERAL PURPOSE & INDUSTRIAL**

SCHOTTKY DIODES

Type	Config.	Maximum ratings		Characteristics at 25°C						Marking	Package		
		V <sub>RM</sub> (V)	I <sub>F</sub> (mA)	I <sub>R</sub> @ V <sub>R</sub> max (μA) (V)	V <sub>F</sub> @ I <sub>F</sub> min max (V) (mA)	C @ V <sub>R</sub> max (pF) (V)	Dynamic parameters						
BAT 17	1	4	30	0.25	3	0.6	10	1	0	F < 7dB @ 1000MHz(1)		A3	SOT 23
BAR 18	1	70	30	0.2	50	0.41	1	2	0	τ < 100ps @ 5mA(2)		D76	
BAR 42	1	30	100	0.5	25	0.4	10	7	§ 1	t <sub>rr</sub> < 5ns @ 10mA		D94	
★ BAR 43	1	30	100	0.5	25	0.26	0.33	2	7 § 1	t <sub>rr</sub> < 5ns @ 10mA		D95	
BAS 70-06	2	70	30	0.2	50	0.41	1	2	0	τ < 100ps @ 5mA(2)		D98	
★ BAR 43 A	2	30	100	0.5	25	0.26	0.33	2	7 § 1	t <sub>rr</sub> < 5ns @ 10mA		DB1	
BAS 70-05	3	70	80	0.2	50	0.41	1	2	0	τ < 100ps @ 5mA(2)		D97	
★ BAR 43 C	3	30	100	0.5	25	0.26	0.33	2	7 § 1	t <sub>rr</sub> < 5ns @ 10mA		DB2	
BAT 17 DS	4	4	30	0.25	3	0.6	10	1	0	F < 7 dB @ 1000MHz(1)		D85	
BAS 70-04	4	70	30	0.2	50	0.41	1	2	0	τ < 100ps @ 5mA(2)		D96	
★ BAR 43 S	4	30	100	0.5	25	0.26	0.33	2	7 § 1	t <sub>rr</sub> < 5ns @ 10mA		DA5	

(1) Mixer noise figure. (2) Minority carrier lifetime (Krakauer method). § Typical value. ★ Preferred device.

VOLTAGE REGULATOR DIODES

Type (1)	Config.	P <sub>(tot)</sub> (mW)	V <sub>ZT</sub>		r <sub>ZT</sub> @ I <sub>ZT</sub>		r <sub>ZK</sub> @ I <sub>ZK</sub>		α V <sub>Z</sub> typ (%/°C)	I <sub>R</sub> @ V <sub>R</sub>		Marking	Package
			min	max	max	(mA)	max	(mA)		max	(V)		
BZX 84 C 2V4	5	350	2.28	2.56	85	5	600	1	-0.06	50	1	W 3	SOT 23
BZX 84 C 2V7		350	2.5	2.9	85	5	600	1	-0.06	10	1	W 4	
BZX 84 C 3V0		350	2.8	3.2	85	5	600	1	-0.06	4	1	W 5	
P BZX 84 C 3V3		350	3.1	3.5	85	5	600	1	-0.06	2	1	W 6	
P BZX 84 C 3V6		350	3.4	3.8	85	5	600	1	-0.06	2	1	W 7	
P BZX 84 C 3V9		350	3.7	4.1	85	5	600	1	-0.06	2	1	W 8	
P BZX 84 C 4V3		350	4.0	4.6	80	5	600	1	-0.05	1	1	W 9	
P BZX 84 C 4V7		350	4.4	5.0	80	5	500	1	-0.03	3	2	Z 1	
P BZX 84 C 5V1		350	4.8	5.4	60	5	480	1	+0.02	2	2	Z 2	
P BZX 84 C 5V6		350	5.2	6.0	40	5	400	1	+0.03	1	2	Z 3	
P BZX 84 C 6V2		350	5.8	6.6	10	5	150	1	+0.04	3	4	Z 4	
P BZX 84 C 6V8		350	6.4	7.2	15	5	80	1	+0.05	2	4	Z 5	
P BZX 84 C 7V5		350	7.0	7.9	15	5	80	1	+0.05	1	5	Z 6	
P BZX 84 C 8V2		350	7.7	8.7	15	5	80	1	+0.06	0.7	5	Z 7	
P BZX 84 C 9V1		350	8.5	9.6	15	5	100	1	+0.06	0.5	6	Z 8	
BZX 84 C 10		350	9.4	10.6	20	5	150	1	+0.07	0.2	7	Z 9	
BZX 84 C 11		350	10.4	11.6	20	5	150	1	+0.07	0.1	8	Y 1	
P BZX 84 C 12		350	11.4	12.1	25	5	150	1	+0.07	0.1	8	Y 2	
BZX 84 C 13		350	12.4	14.1	30	5	170	1	+0.08	0.1	8	Y 3	
P BZX 84 C 15		350	13.8	15.6	30	5	200	1	+0.08	0.05	0.7V <sub>ZT</sub>	Y 4	
BZX 84 C 16		350	15.3	17.1	40	5	200	1	+0.08	0.05	0.7V <sub>ZT</sub>	Y 5	
BZX 84 C 18		350	16.8	19.1	45	5	225	1	+0.08	0.05	0.7V <sub>ZT</sub>	Y 6	
BZX 84 C 20		350	18.8	21.2	55	5	225	1	+0.08	0.05	0.7V <sub>ZT</sub>	Y 7	
BZX 84 C 22		350	20.8	23.3	55	5	250	1	+0.09	0.05	0.7V <sub>ZT</sub>	Y 8	
BZX 84 C 24		350	22.8	25.6	70	5	250	1	+0.09	0.05	0.7V <sub>ZT</sub>	Y 9	
BZX 84 C 27		350	25.1	28.9	80	2	300	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 10	
BZX 84 C 30		350	28.0	32.0	80	2	300	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 11	
BZX 84 C 33		350	31.0	35.0	80	2	325	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 12	
BZX 84 C 36		350	34.0	38.0	90	2	350	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 13	
BZX 84 C 39		350	37.0	41.0	130	2	350	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 14	
BZX 84 C 43		350	40.0	46.0	150	2	375	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 15	
BZX 84 C 47		350	44.0	50.0	170	2	375	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 16	
BZX 84 C 51		350	48.0	54.0	180	2	400	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 17	
BZX 84 C 56		350	52.0	60.0	200	2	425	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 18	
BZX 84 C 62		350	58.0	66.0	215	2	450	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 19	
BZX 84 C 68		350	64.0	72.0	240	2	475	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 20	
BZX 84 C 75		350	70.0	80.0	255	2	500	0.5	+0.09	0.05	0.7V <sub>ZT</sub>	Y 21	

P : Preferred voltages.

Configuration

