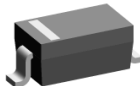






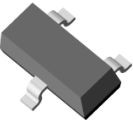
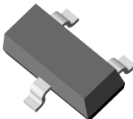



Small Signal Diodes

Vishay



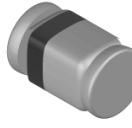

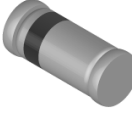
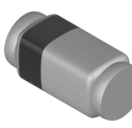
DESCRIPTION	PART NUMBER	V _R [V]	I _F [mA]	V _F [V]	@ I _F [mA]	P _{tot} [mW]	t _{rr} [ns]
SOD-123 Package Small-Signal Schottky Diodes Single Diodes 	BAT17W	4	30	0.6	10	150	-
	BAT42W	30	200	1	200	200	5
	BAT43W	30	200	1	200	200	5
	BAT46W	100	150	1	250	150	-
	BAT54W	30	200	0.32	1	150	5
	MBR0520L	20	500	0.385	500	-	-
	MBR0530	30	500	0.43	500	-	-
	MBR0540	40	500	0.51	500	-	-
	SD101AW	60	-	0.41	1	400	1
	SD101BW	50	-	0.4	1	400	1
	SD101CW	40	-	0.39	1	400	1
	SD103AW	40	-	0.37	20	400	10
	SD103BW	30	-	0.37	20	400	10
	SD103CW	20	-	0.37	20	400	10
SOD-323 Package Small-Signal Schottky Diodes Single Diodes 	BAS170WS	70	70	1	15	150	-
	BAT17WS	4	30	0.6	10	150	-
	BAT54WS	30	200	0.32	1	150	5
	SD0230LWS	30	200	0.35	15	150	-
	SD101AWS	60	1	0.41	1	150	-
	SD101BWS	50	1	0.40	1	150	-
	SD101CWS	40	1	0.39	1	150	-
	SD103AWS	40	-	0.37	20	150	10
	SD103BWS	30	-	0.37	20	150	10
	SD103CWS	20	-	0.37	20	150	10
	SD104AWS	20	30	0.6	10	150	-
	SD104BWS	15	30	0.58	10	150	-
	SD104CWS	10	30	0.565	10	150	-
	SD106WS	30	200	0.55	200	250	-
SD107WS	30	100	0.55	50	250	-	
LLP-75-3 Heatsink Package Small-Signal Schottky Diodes Dual Serial 	BAS40-04-HT3	40	200	1	40	200	5
	BAS40-05-HT3	40	200	1	40	200	5
	BAS40-06-HT3	40	200	1	40	200	5
LLP-75-3 Heatsink Package Small-Signal Schottky Diodes Single Diodes 	BAS40-HT3	40	200	1	40	200	5


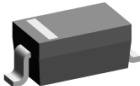


DESCRIPTION	PART NUMBER	V _R [V]	I _F [mA]	V _F [V]	@ I _F [mA]	P _{tot} [mW]	t _{rr} [ns]
LLP-75-3 Heatsink Package Small-Signal Schottky Diodes 	BAS70-HT3	70	200	1	15	200	5
	BAS70-04-HT3	70	200	1	15	200	5
	BAS70-05-HT3	70	200	1	15	200	5
	BAS70-06-HT3	70	200	1	15	200	5
	BAT54-HT3	30	200	0.32	1	200	5
	BAT54A-HT3	30	200	0.32	1	200	5
	BAT54C-HT3	30	200	0.32	1	200	5
	BAT54S-HT3	30	200	0.32	1	200	5
SMF Package Small-Signal Schottky Diodes Single Diodes 	SL02	20	1100	<0.42	1100	-	
	SL03	30	1100	<0.45	1100	-	
	SL04	40	1100	<0.5	1100	-	
LLP75-HS3 Package Small-Signal Schottky Diodes Single Diodes 	SD0520-HT3	20	500	0.385	500	-	-
SOT-23 Package Small-Signal Schottky Diodes Dual Common Anode 	BAS40-06	40	200	1	40	200	5
	BAS70-06	70	200	1	15	200	5
	BAT54A	30	200	0.32	1	200	5
SOT-23 Package Small-Signal Schottky Diodes Dual Common Cathode 	BAS40-05	40	200	1	40	200	5
	BAS70-05	70	200	1	15	200	5
	BAT54C	30	200	0.32	1	200	5
SOT-23 Package Small-Signal Schottky Diodes Dual Serial 	BAS40-04	40	200	1	40	200	5
	BAS70-04	70	200	1	15	200	5
	BAT54S	30	200	0.32	1	200	5
	SD0520LS	20	500	0.4	50	-	-

Small Signal Diodes

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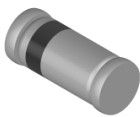


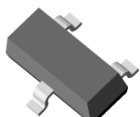
DESCRIPTION	PART NUMBER	V _R [V]	I _F [mA]	V _F [V]	@ I _F [mA]	P _{tot} [mW]	t _{rr} [ns]
SOT-23 Package Small-Signal Schottky Diodes 	BAS40	40	200	1	40	200	5
	BAS70	70	200	1	15	200	5
	BAT17	4	30	0.6	10	150	-
	BAT17DS	4	30	0.6	10	150	-
	BAT54	30	200	0.32	1	200	5
MicroMELF Package Small-Signal Schottky Diodes Single Diodes 	BAS381	40	30	1	15	-	-
	BAS382	50	30	1	15	-	-
	BAS383	60	30	1	15	-	-
	BAS385	30	200	0.4	10	-	-
	BAS386	50	200	0.45	10	-	-
	MCL101A	60	30	0.41	1	-	-
	MCL101B	50	30	0.4	1	-	-
	MCL101C	40	30	0.39	1	-	-
	MCL103A	40	15	0.37	20	-	-
	MCL103B	30	15	0.37	20	-	-
	MCL103C	20	15	0.37	20	-	-
MiniMELF SOD-80 Package Small-Signal Schottky Diodes Single Diodes 	BAS81	40	30	1	15	-	-
	BAS82	50	30	1	15	-	-
	BAS83	60	30	1	15	-	-
	BAS85	30	200	0.4	10	-	-
	BAS86	50	200	0.45	10	-	-
	LL41	100	100	0.45	1	400	5
	LL42	30	200	0.4	10	200	5
	LL43	30	200	0.45	15	200	5
	LL46	100	150	0.45	10	200	-
	LL48	40	350	0.4	10	330	-
	LL101A	60	200	0.41	1	400	1
	LL101B	50	200	0.4	1	400	1
	LL101C	40	200	0.39	1	400	1
	LL103A	40	350	0.37	20	400	10
	LL103B	30	350	0.37	20	400	10
	LL103C	20	350	0.37	20	400	10
QuadroMELF SOD-80 Package Small-Signal Schottky Diodes Single Diodes 	BAS281	40	30	1	15	-	-
	BAS282	50	30	1	15	-	-
	BAS283	60	30	1	15	-	-
	BAS285	30	200	0.4	10	-	-
	BAS286	50	200	0.45	10	-	-
	LS101A	60	30	0.41	1	-	-
	LS101B	50	30	0.4	1	-	-
	LS101C	40	30	0.39	1	-	-
	LS103A	40	15	0.37	20	-	-
	LS103B	30	15	0.37	20	-	-
	LS103C	20	15	0.37	20	-	-


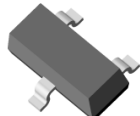
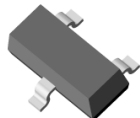
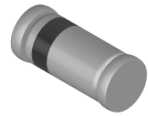


DESCRIPTION	PART NUMBER	V _R [V]	I _F [mA]	V _F [V]	@ I _F [mA]	P _{tot} [mW]	t _{rr} [ns]			
DO-35 Package Small-Signal Schottky Diodes Single Diodes 	1N5711	70	200	1	15	400	1			
	1N6263	60	200	1	15	400	1			
	BAT41	100	100	1	200	400	5			
	BAT42	30	200	1	200	200	5			
	BAT43	30	200	1	200	200	5			
	BAT46	100	150	1	250	150	-			
	BAT48	40	350	0.9	500	330	-			
	BAT81S	40	30	1	15	-	-			
	BAT82S	50	30	1	15	-	-			
	BAT83S	60	30	1	15	-	-			
	BAT85	30	200	0.4	10	200	5			
	BAT85S	30	200	0.4	10	-	-			
	BAT86	50	200	0.45	10	200	5			
	BAT86S	50	200	0.45	10	-	-			
	SD101A	60	-	0.41	1	400	1			
	SD101B	50	-	0.4	1	400	1			
SD101C	40	-	0.39	1	400	1				
SD103A	40	-	0.37	20	400	10				
SD103B	30	-	0.37	20	400	10				
SD103C	20	-	0.37	20	400	10				
DESCRIPTION	PART NUMBER	V _R [V]	C _{D1} [pF]	@ V _R [V]	C _{D2} [pF]	@ V _R [V]	r _{f1} [Ω]	@ I _f [mA]	r _{f2} [Ω]	@ I _f [mA]
SOD-123 Package Band-Switching Diodes Single Diodes 	BA782	35	1.5	1	1.25	3	0.7	3	0.5	10
	BA783	35	1.5	1	1.2	3	1.2	3	0.9	10
	BB721	32	16.33	2	2.29	28	-	-	-	-
	BB729	32	33.1	2	2.93	28	-	-	-	-
	BB731	32	50	1	3.55	28	-	-	-	-
SOD-323 Package Band-Switching Diodes Single Diodes 	BA782S	35	1.5	1	1.25	3	0.7	3	0.5	10
	BA783S	35	1.5	1	1.2	3	1.2	3	0.9	10
	BB721S	32	16.33	2	2.29	28	-	-	-	-
	BB729S	32	33.1	2	2.93	28	-	-	-	-
	BB731S	32	50	1	3.55	28	-	-	-	-
MicroMELF Package Band-Switching Diodes Single Diodes 	BA1282	35	1.5	1	1.25	3	0.7	3	0.5	10
	BA1283	35	1.5	1	1.2	3	1.2	3	0.9	10

Small Signal Diodes

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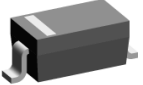


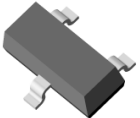
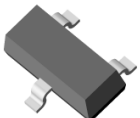
DESCRIPTION	PART NUMBER	V _R [V]	C _{D1} [pF]	@ V _R [V]	C _{D2} [pF]	@ V _R [V]	r _{f1} [Ω]	@ I _f [mA]	r ₁₂ [Ω]	@ I _f [mA]
MiniMELF SOD-80 Package Band-Switching Diodes Single Diodes 	BA682	35	1.5	1	1.25	3	0.7	3	0.5	10
	BA683	35	1.5	1	1.2	3	1.2	3	0.9	10
QuadroMELF SOD-80 Package Band-Switching Diodes Single Diodes 	BA982	35	1.5	1	1.25	3	0.7	3	0.5	10
	BA983	35	1.5	1	1.2	3	1.2	3	0.9	10
DO-35 Package Band-Switching Diodes Single Diodes 	BA282	35	1.5	1	1.25	3	0.7	3	0.5	10
	BA283	35	1.5	1	1.2	3	1.2	3	0.9	10
DESCRIPTION	PART NUMBER	V _{RRM} [V]	C _{DMIN} /C _{DMA} x [pF]	@ V _R [V]	C _{D1} /C _{D2}	@ V _{R1} /V _{R2} [V/V]	r _S [Ω]	Q	@ V _R [V]	@ C _D [pF]
SOT-23 Package Capacitance Diodes Dual Diodes 	BB804	20 (18)	42 / 47.5	2	1.65 / 1.75	2 / 8	0.4	150	-	38
	BB804-0	20 (18)	42 / 43.5	2	1.65 / 1.75	2 / 8	0.4	150	-	38
	BB804-1	20 (18)	43 / 44.5	2	1.65 / 1.75	2 / 8	0.4	150	-	38
	BB804-2	20 (18)	44 / 45.5	2	1.65 / 1.75	2 / 8	0.4	150	-	38
	BB804-3	20 (18)	45 / 46.5	2	1.65 / 1.75	2 / 8	0.4	150	-	38
	BB804-4	20 (18)	46 / 47.5	2	1.65 / 1.75	2 / 8	0.4	150	-	38
	BB814	20	43 / 46.5	2	2.05 / 2.25	2 / 8	0.5	150	-	38
	BB814-1	20	43 / 45	2	2.05 / 2.25	2 / 8	0.5	150	-	38
	BB814-2	20	44.5 / 46.5	2	2.05 / 2.25	2 / 8	0.5	150	-	38
	BB824	20	42.5 / 45.0	2	2.25 / 2.45	2 / 8	< 0.5	> 100	2	-
	BB824-2	20	42.5 / 43.8	2	2.25 / 2.45	2 / 8	< 0.5	> 100	2	-
	BB824-3	20	43.7 / 45	2	2.25 / 2.45	2 / 8	< 0.5	> 100	2	-

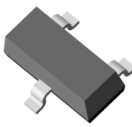
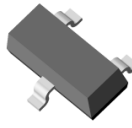


DESCRIPTION	PART NUMBER	V _R [V]	I _F [mA]	V _F [V]	@ I _F [mA]	I _R [μA]	@ V _R [V]	C _D [pF]	@ f [MHz]	r _f [Ω]	@ I _F [mA]	Z _r [kΩ]	@ V _R [V]	@ f [MHz]
SOD-523 Package PIN Diodes Single Diodes 	BA892V-02V	35	100	1.1	100	0.02	20	1.1	1	0.5	10	-	-	-
	BAR63V-02V	50	100	1.2	100	0.01	35	0.3	1	2	5	-	-	-
	BAR64V-02V	100	100	1.1	50	0.05	50	0.35	1	3.8	10	-	-	-
	BAR65V-02V	30	100	1.1	100	0.02	20	0.8	1	0.9	10	-	-	-
SOT-23 Package PIN Diodes Dual Diodes 	BA779-2	30	50	1	20	0.05	30	0.5	100	50	1.5	5	-	100
	S392D	30	50	1	20	0.05	30	0.5	100	< 60	1.5	5	-	100
SOT-23 Package PIN Diodes Single Diodes 	BA779	30	50	1	20	0.05	30	0.5	100	50	1.5	5	-	100
	BA779S	30	50	1	20	0.05	30	0.5	100	50	1.5	9	-	100
	BAR63V-06	50	100	1.2	100	0.01	35	0.3	1	2	5	-	-	-
MiniMELF SOD-80 Package PIN Diodes Single Diodes 	BA679	30	50	1	20	0.05	30	0.5	100	50	1.5	5	-	100
	BA679S	30	50	1	20	0.05	30	0.5	100	50	1.5	9	-	100
	S391D	30	50	1	20	0.05	30	0.5	100	< 60	1.5	5	-	100
QuadroMELF SOD-80 Package PIN Diodes Single Diodes 	BA979	30	50	1	20	0.05	30	0.5	100	50	1.5	5	-	100
	BA979S	30	50	1	20	0.05	30	0.5	100	50	1.5	9	-	100
	BA980	30	50	1	20	0.05	30	0.5	100	< 60	1.5	5	-	100
DO-35 Package PIN Diodes Single Diodes 	BA479G	30	50	1	20	0.05	30	0.5	100	50	1.5	5	-	100
	BA479S	30	50	1	20	0.05	30	0.5	100	50	1.5	9	-	100

Small Signal Diodes

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DESCRIPTION	PART NUMBER	V _{RRM} [V]	I _{RFM} [mA]	I _R [μA]	@ V _R [V]	V _F [V]	@ I _F [mA]	I _{fr} [ns]	@ I _F [mA]	I _R [mA]	I _R [mA]
SOD-123 Package Small-Signal Switching Diodes Single Diodes 	1N4148W	100	500	5	75	1	10	4	10	10	1
	1N4150W	50	-	0.1	50	1	200	4	10	10	-
	1N4151W	75	500	0.05	50	1	50	4	10	10	-
	1N4448W	100	500	5	75	1	10	4	10	10	-
	BAS16D	100	-	1	75	1	50	6	10	10	1
	BAV19W	120	625	0.1	100	1	100	50	30	30	3
	BAV20W	200	625	0.1	100	1	100	50	30	30	3
	BAV21W	250	625	0.1	100	1	100	50	30	30	3
	BAV19W	120	625	0.1	100	1	100	50	30	30	3
	BAV20W	200	625	0.1	100	1	100	50	30	30	3
	BAV21W	250	625	0.1	100	1	100	50	30	30	3
	GSD2004W	300	625	0.1	240	1	100	50	30	30	3
SOD-323 Package Small-Signal Switching Diodes 	1N4148WS	100	350	5	75	1	10	4	10	10	1
	BAS16WS	100	-	1	75	1	50	6	10	10	1
	BAV19WS	120	625	0.1	100	1	100	50	30	30	3
	BAV20WS	200	625	0.1	100	1	100	50	30	30	3
	BAV21WS	250	625	0.1	100	1	100	50	30	30	3
	GSD2004WS	300	625	0.1	240	1	100	50	30	30	3
SMF Package Small-Signal Switching Diodes Single Diodes 	ES07B	100	700	10	100	0.98	1200	25	500	1000	250
	ES07D	200	700	50	200	0.98	500	25	500	1000	250
	RS07B	100	700	10	100	1.15	500	150	500	1000	250
	RS07D	200	700	10	200	1.15	500	150	500	1000	250
	RS07G	400	700	10	400	1.15	500	150	500	1000	250
	RS07J	600	700	10	600	1.15	500	150	500	1000	250
	S07B	100	700	10	100	1.1	1000	1800	500	1000	250
	S07D	200	700	10	200	1.1	1000	1800	500	1000	250
	S07G	400	700	10	400	1.1	1000	1800	500	1000	250
	S07J	600	700	10	600	1.1	1000	1800	500	1000	250
	S07M	1000	700	10	1000	1.1	1000	1800	500	1000	250
SOT-23 Package Small-Signal Switching Diodes Dual Common Anode 	BAW56	70	450	5.0	75	1	50	6	10	10	1
SOT-23 Package Small-Signal Switching Diodes Dual Common Cathode 	BAV70	70	450	5.0	75	1	50	6	10	10	1

DESCRIPTION	PART NUMBER	V _{RRM} [V]	I _{RFM} [mA]	I _R [μA]	@ V _R [V]	V _F [V]	@ I _F [mA]	I _{fr} [ns]	@ I _F [mA]	I _R [mA]	I _R [mA]
SOT-23 Package Small-Signal Switching Diodes Dual Serial 	BAS31	110	600	0.1	90	1	200	50	30	30	3
	BAV99	70	450	<2.5	70	1.0	50	6	10	10	-
	GSD2004S	300	625	0.1	240	1	100	50	30	30	3
	MMBD7000	<100	500	0.1	50	<1.1	100	4	10	10	1
SOT-23 Package Small-Signal Switching Diodes Single Diodes 	BAL99	70	-	<2.5	70	1.0	50	6	10	10	1
	BAS16	75	-	1.0	75	1.0	50	6	10	10	1
	BAS19	120	-	0.1	100	1.0	100	50	10	10	1
	BAS20	200	-	0.1	150	1.0	100	50	10	10	1
	BAS21	250	-	0.1	200	1.0	100	50	10	10	1
	GSD2004A	300	625	0.1	240	1	100	50	30	30	3
	IMBD4148	100	500	2.5	70	1	10	4	10	10	-
	IMBD4448	100	500	2.5	70	1	10	4	10	10	-
	MMBD914	100	-	5	75	1	10	4	10	10	1
MMBD6050	<70	500	0.1	50	<1.1	100	4	10	10	1	
MicroMELF Package Small-Signal Switching Diodes Single Diodes 	BAQ333	40	450	0.003	30	1	100	-	-	-	-
	BAQ334	70	450	0.003	60	1	100	-	-	-	-
	BAQ335	140	450	0.003	125	1	100	-	-	-	-
	BAV300	60	625	0.1	50	1	100	50	30	-	-
	BAV301	120	625	0.1	100	1	100	50	30	-	-
	BAV302	200	625	0.1	150	1	100	50	30	-	-
	BAV303	250	625	0.1	200	1	100	50	30	-	-
	MCL4148	100	450	5	75	<1	50	8	10	10	1
	MCL4448	100	450	5	75	<1	100	8	10	10	1
	MCL4151	75	450	0.05	50	<1	50	4	10	10	1
MCL4154	35	450	0.1	25	<1	30	4	10	10	1	
MiniMELF SOD-80 Package Small-Signal Switching Diodes Single Diodes 	BA604	80	450	1	50	1.1	50	20	10	10	1
	BAQ33	40	450	0.003	30	1	100	-	-	-	-
	BAQ34	70	450	0.003	60	1	100	-	-	-	-
	BAQ35	140	450	0.003	125	1	100	-	-	-	-
	BAV100	60	625	0.1	50	1	100	50	30	30	3
	BAV101	120	625	0.1	100	1	100	50	30	30	3
	BAV102	200	625	0.1	150	1	100	50	30	30	3
	BAV103	250	625	0.1	200	1	100	50	30	30	3
	LL4148	100	450	5	75	1	50	8	10	10	1
	LL4448	100	450	5	75	1	100	8	10	10	1
	LL4150	50	600	0.1	50	1	200	4	10	10	1
	LL4151	75	450	0.05	50	1	50	4	10	10	1
	LL4154	35	450	0.1	25	1	30	4	10	10	1

Small Signal Diodes

Vishay



DESCRIPTION	PART NUMBER	V _{RRM} [V]	I _{RFM} [mA]	I _R [μA]	@ V _R [V]	V _F [V]	@ I _F [mA]	I _{fr} [ns]	@ I _F [mA]	I _R [mA]	I _R [mA]
QuadroMELF SOD-80 Package Small-Signal Switching Diodes Single Diodes 	BAQ133	40	450	0.003	30	1	100	-	-	-	-
	BAQ134	70	450	0.003	60	1	100	-	-	-	-
	BAQ135	140	450	0.003	125	1	100	-	-	-	-
	BAV200	60	625	0.1	50	1	100	50	30	30	3
	BAV201	120	625	0.1	100	1	100	50	30	30	3
	BAV202	200	625	0.1	150	1	100	50	30	30	3
	BAV203	250	625	0.1	200	1	100	50	30	30	3
	LS4148	100	450	5	75	1	50	8	10	10	1
	LS4448	100	450	5	75	1	100	8	10	10	1
	LS4150	50	600	0.1	50	1	200	4	10	10	1
	LS4151	75	450	0.05	50	1	50	4	10	10	1
	LS4154	35	450	0.1	25	1	30	4	10	10	1
	LS485S	200	-	< 0.025	10	< 1.1	10	-	-	-	-
	DO-35 Package Small-Signal Switching Diodes Single Diodes 	1N914	75	-	< 5.0	75	< 1	10	< 4	10	1
1N4148		100	450	5	75	1	100	8	10	10	1
1N4448		100	450	5	75	1	10	8	10	10	1
1N4150		50	600	0.1	50	1	200	4	10	10	1
1N4151		75	450	0.05	50	1	50	4	10	10	1
1N4154		35	450	0.1	25	1	30	4	10	10	1
BAS33		40	450	0.1	30	1	100	-	-	-	-
BAS34		70	450	0.1	30	1	100	-	-	-	-
BAV17		25	625	0.1	20	1	100	50	30	30	3
BAV18		60	625	0.1	50	1	100	50	30	30	3
BAV19		120	625	0.1	100	1	100	50	30	30	3
BAV20		200	625	0.1	150	1	100	50	30	30	3
BAV21		250	625	0.1	200	1	100	50	30	30	3
BAW27		75	600	0.1	60	1	200	6	10	10	1
BAW75		35	450	0.1	25	1	30	4	10	10	1
BAW76		75	450	0.1	50	1	100	4	10	10	1
BAY80		150	625	0.1	120	1	100	50	30	30	3
BAY135		140	450	0.003	125	1	100	-	-	-	-