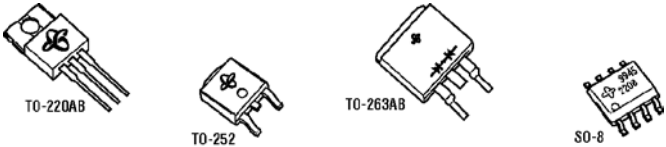


Visit General Semiconductor's Website at www.gensemi.com

GENFET™ Power MOSFETs



N-Channel MOSFETs

Mfr.'s Type				Config.	Power (W)	Current (A)	Volt (V)	RDS (on) (Ω)
TO-220	TO-252	TO-263	S0-8					
—	—	—	GF2208	Single	2.5	13.0	30	0.0080
—	—	—	GF2524	Dual	2.0	5.8/7.8	30	0.0370/0.0180
—	—	—	GF2918	Dual	2.0	7.8	30	0.0180
—	—	—	GF4410	Single	2.5	10.0	30	0.0135
—	—	—	GF4412	Single	2.5	7.0	30	0.0280
—	—	—	GF4420	Single	2.5	12.5	30	0.0090
—	—	—	GF4435*	Single	2.5	8.0	30	0.0200
—	—	—	GF4450	Single	2.5	7.5	60	0.0240
—	—	—	GF4936	Dual	2.0	5.8	30	0.0370
—	—	—	GF9410	Single	2.5	7.0	30	0.0300
—	—	—	GF9926	Dual	2.0	6.0	20	0.0300
GFP50N03	—	GFBS0N03	—	Single	62.5	50.0	30	0.0130
GFP70N03	—	GFBS0N03	—	Single	62.5	70.0	30	0.0080
GFP75N03	—	GFBS0N03	—	Single	62.5	70.0	30	0.0065
—	—	—	—	Single	38.0	40.0	30	0.0150
—	—	—	—	Single	50.0	58.0	30	0.0090

* P-Channel

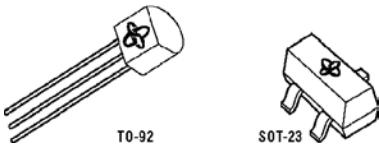
Small Signal Schottky Diodes



Mfr.'s Type						Reverse Voltage V _{Rev} (V)	Forward Voltage @ Forward Current V _F max @ I _F	
Leaded	Surface Mount						mV	mA
DO-35	SOD-80C	SOD-323	SOD-123	SOT-23*	SOT-23†			
—	—	BAT17WS	BAT17W	BAT17	BAT17DS	10	600	10
SD103C	LL103C	SD103CWS	SD103CW	—	—	20	370	20
BAT85	BAS85	BAT54WS	BAT54W	BAT54	BAT54A• BAT54C• BAT54S•	30	400	10
—	—	—	—	—	—	30	400	10
BAT42	LL42	—	BAT42W	—	—	30	400	10
BAT43	LL43	—	BAT43W	—	—	30	330	2
BAT48	LL48	—	—	—	—	30	400	10
SD103B	LL103B	SD103BWS	SD103BW	—	—	30	370	20
—	—	SD106WS	—	—	—	30	260	2
—	—	SD107WS	—	—	—	30	300	2
SD101C	LL101C	SD101CWS	SD101CW	—	—	40	390	1
—	—	—	—	BAS40	BAS40-04	40	380	1
—	—	—	—	—	BAS40-05	40	380	1
—	—	—	—	—	BAS40-06	40	380	1
SD103A	LL103A	SD103AWS	SD103AW	—	—	40	370	20
SD101B	LL101B	SD101BWS	SD101BW	—	—	50	400	1
BAT86	BAS86	—	—	—	—	50	380	1
SD101A	LL101A	SD101AWS	SD101AW	—	—	60	410	1
1N5711	LL5711	—	—	BAS70	BAS70-04	70	410	1
—	—	—	—	—	BAS70-05	70	410	1
BAT46	LL46	—	BAT46W	—	BAS70-06	70	410	1
—	—	—	—	—	—	100	450	10

*Single. †Dual. •Dual SOT-23: A — 06, common anode; C — 05, common cathode; S — 04, series.

Small Signal DMOS Transistors



Mfr.'s Type				V _{DS} (V)	I _D (mA)	R _{DS(ON)} (Ω)	@V _{GS} / I _D
TO-92*		SOT-23†					
N-Channel	P-Channel	N-Channel	P-Channel				
—	—	2N7002	—	60	250	7.5	10 V/500 mA
—	BS250	BS870	BS850	60	250	5.0	10 V/200 mA
2N7000	—	—	—	60	300	5.0	10 V/500 mA
BS170	—	—	—	60	300	5.0	10 V/200 mA

*Leaded. †Surface mount.

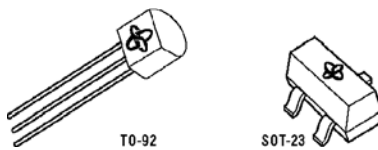
Small Signal Switching Diodes



Mfr.'s Type							Reverse Voltage VBR (V)	Forward Current IF Max. (mA)	Forward Voltage @ Forward Current VF max @ IF	
Leaded	Surface Mount								mV	mA
DO-35*	SOD-80C	SOD-323•	SOD-123†	SOT-23◊	SOT-23§	SOT-23Δ				
BAW75	—	—	—	—	—	—	35	150	1.00	30
1N4150	LL4150‡	—	—	—	—	—	50	200	1.00	200
—	BAV100†	—	1N4150W	—	—	—	50	200	1.15	200
—	—	—	—	—	—	—	60	200	1.00	100
—	—	—	—	BAL99	—	BAV99	70	250	1.00	50
—	—	—	—	—	—	BAV70	70	250	1.00	50
—	—	—	—	—	—	BAW56	70	250	1.00	50
1N4151	LL4151‡	—	—	MMBD6050	—	—	70	200	1.10	100
—	—	BAS16WS	1N4151W	—	—	—	75	150	1.00	50
BAW76	—	—	BAS16D	BAS16	—	—	75	250	1.00	50
1N914	—	—	—	—	—	—	75	150	1.00	100
1N4148	LL4148‡	1N4148WS	1N4148W	MMBD914	—	—	100	75/200	1.00	10
1N4448	LL4448‡	—	1N4448W	IMBD4148	—	—	100	150	1.00	100
—	—	—	—	IMBD4448	—	—	100	200	1.10	100
BAV19	BAV101†	BAV19WS	BAV19W	—	BAS19	—	100	200	1.00	100
BAV20	BAV102†	BAV20WS	BAV20W	—	BAS20	—	150	200	1.00	100
BAV21	BAV103†	BAV21WS	BAV21W	—	BAS21	—	200	200	1.00	100
—	—	—	GSD200SW	—	—	GSD2004S	300	200	1.00	100

*500 mW. †400 mW. ‡500 mW. •200 mW. ◊Single, 250 mW. §Single, 350 mW. ΔDual, 350 mW.

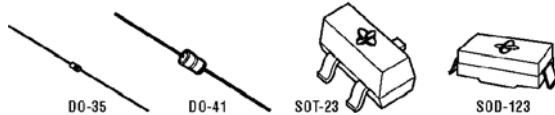
Small Signal Bipolar Transistors



Mfr.'s Type				V _{CE} (V)	I _C (mA)	h _{FE}			@V _{CE} /I _C
TO-92*		SOT-23†				Min.	Typ.	Max.	
NPN	PNP	NPN	PNP						
2N3904	2N3906	MMBT3904	MMBT3906	40	200	100	—	300	1 V/10 mA
2N4401	2N4403	MMBT4401	MMBT4403	40	600	—	100	300	1 V/150 mA
MPS2222A	MPS2907A	MMBT2222A	MMBT2907A	40	600	—	100	300	10 V/150 mA
BC547A	BC557A	BC847A	BC857A	45	100	—	220	—	5 V/2 mA
BC547B	BC557B	BC847B	BC857B	45	100	—	330	—	5 V/2 mA
BC547C	BC557C	BC847C	BC857C	45	100	—	600	—	5 V/2 mA
—	—	BC817-16	BC807-16	45	500	100	—	250	1 V/100 mA
—	—	BC817-25	BC807-25	45	500	160	—	400	1 V/100 mA
—	—	BC817-40	BC807-40	45	500	250	—	600	1 V/100 mA
BC337-16	BC327-16	—	—	45	800	100	160	250	1 V/300 mA
BC337-25	BC327-25	—	—	45	800	160	250	400	1 V/300 mA
BC337-40	BC327-40	—	—	45	800	250	400	630	1 V/300 mA
—	—	BCW66G	BCW68G	45	800	160	—	400	1 V/100 mA
MPSA06	MPSA56	MMBTA06	MMBTA56	80	500	—	100	—	1 V/100 mA

*Leaded. †Surface mount.

Zener Diodes



Mfr.'s Type				P _{max} (mW)	Zener Voltage Range	Zener Voltage Tolerance
DO-35	DO-41	SOT-23	SOD-123			
1N5226B	1N4728A	—	—	500	3.3	5%
1N5230B	1N4732A	—	—	500	4.7	5%
1N5231B	1N4733A	—	—	500	5.1	5%
1N5232B	1N4734A	—	—	500	5.6	5%
1N5240B	1N4740A	—	—	500	10.0	5%
1N5245B	1N4744A	—	—	500	15.0	5%
—	—	MMBZ5226B	MMSZ5226B	300	3.3	5%
—	—	MMBZ5230B	MMSZ5230B	300	4.7	5%
—	—	MMBZ5232B	MMSZ5232B	300	5.6	5%
—	—	MMBZ5235B	MMSZ5235B	300	6.8	5%
—	—	MMBZ5236B	MMSZ5236B	300	7.5	5%
—	—	MMBZ5237B	MMSZ5237B	300	8.2	5%
—	—	MMBZ5239B	MMSZ5239B	300	9.1	5%
—	—	MMBZ5240B	MMSZ5240B	300	10.0	5%
—	—	MMBZ5242B	MMSZ5242B	300	12.0	5%
—	—	MMBZ5248B	MMSZ5248B	300	18.0	5%
—	—	MMBZ5250B	MMSZ5250B	300	20.0	5%
—	—	MMBZ5254B	MMSZ5254B	300	27.0	5%
—	—	MMBZ5257B	MMSZ5257B	300	33.0	5%