

# Bipolar Transistors



A Product Line of Diodes Incorporated



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## ZETEX NPN MEDIUM POWER TRANSISTORS



Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	P <sub>D</sub> (W)	h <sub>FE</sub>			V <sub>CE</sub> (sat)			f <sub>T</sub> (MHz)	Price Each			
						Min.	Max.	@ I <sub>C</sub> (mA)	Max. (mV)	@ I <sub>C</sub> (mA)	@ I <sub>B</sub> (mA)		1	25	100	250
<b>Single</b>																
◆ 522-FCX491ATA	FCX491ATA	SOT-89	40	1	1	300	900	0.5	500	1	100	150	.63	.44	.283	.275
◆ 522-DXT690BP5-13	DXT690BP5-13	PDI5	45	3	3.2	500	-----	0.1	360	1	5	150	.70	.60	.413	.382
◆ 522-FMMT491ATA	FMMT491ATA	SOT-23	60	1	0.5	100	300	0.5	500	1	100	150	.45	.32	.225	.208
◆ 522-FMMT493ATA	FMMT493ATA	SOT-23	60	1	0.5	500	1200	0.15	500	1	50	150	.33	.30	.202	.17
◆ 522-FCX491TA	FCX491TA	SOT-89	60	1	1	100	300	0.5	500	1	100	150	.47	.44	.283	.254
◆ 522-FZT491TA	FZT491TA	SOT-223	60	1	2	100	300	0.5	500	1	100	150	.76	.72	.459	.412
◆ 522-FMMT451TA	FMMT451TA	E-Line	60	1	0.5	50	150	0.15	350	0.15	15	150	.29	.25	.195	.181
◆ 522-ZTX451	ZTX451	E-Line	60	1	1	50	150	0.15	350	0.15	15	150	.72	.59	.48	.42
◆ 522-ZTX651	ZTX651	E-Line	60	2	1	100	300	0.5	500	2	200	140	1.38	.98	.69	.621
◆ 522-FZT651TA	FZT651TA	SOT-223	60	3	2	100	300	0.5	600	3	300	140	.76	.61	.459	.378
◆ 522-ZXTN25060BFHTA	ZXTN25060BFHTA	SOT-23	60	3.5	1.25	100	300	0.01	65	1	100	185	.67	.64	.45	.421
◆ 522-ZXTN20102TA	ZXTN20102TA	SOT-89	60	5	2.1	100	300	2	55	1	100	130	1.03	.98	.621	.521
◆ 522-ZTX851	ZTX851	E-Line	60	5	1.58	100	300	2	100	1	50	130	1.86	1.32	.837	.721
◆ 522-ZX5T851GTA	ZX5T851GTA	SOT-223	60	6	3	100	300	2	70	1	50	130	1.21	1.15	.729	.621
◆ 522-FCX1053ATA	FCX1053ATA	SOT-89	75	3	1	300	1200	0.5	200	1	10	140	.85	.73	.513	.47
◆ 522-ZTX1053A	ZTX1053A	E-Line	75	3	1	300	1200	1	150	1	10	140	1.68	1.19	.756	.612
◆ 522-FMMTA06TA	FMMTA06TA	SOT-23	80	0.5	0.33	50	-----	0.1	250	0.1	10	100	.18	.14	.12	.11
◆ 522-BCX5616TA	BCX5616TA	SOT-89	80	1	1	40	250	0.15	0.5	1	50	150	.24	.19	.148	.136
◆ 522-ZTX614	ZTX614	E-Line	100	0.8	1	10000	-----	0.5	1250	0.8	8	-----	.63	.59	.42	.387
◆ 522-FMMT493TA	FMMT493TA	SOT-23	100	1	0.5	100	300	0.25	300	0.5	50	150	.33	.32	.225	.208
◆ 522-FZT493TA	FZT493TA	SOT-223	100	1	2	100	300	0.25	300	0.5	50	150	.76	.72	.459	.412
◆ 522-ZTX453	ZTX453	E-Line	100	1	1	40	200	0.15	700	0.15	15	150	.72	.59	.48	.424
◆ 522-FZT653TA	FZT653TA	SOT-223	100	2	1	100	300	0.5	300	1.2	100	175	1.08	.77	.486	.412
◆ 522-ZTX653	ZTX653	E-Line	100	2	1	100	300	0.5	300	1.2	100	175	1.38	.98	.69	.621
◆ 522-ZXTN25100BFHTA	ZXTN25100BFHTA	SOT-23	100	3	1.25	100	300	0.01	80	1	100	160	.67	.52	.45	.421
◆ 522-ZXTN2011ZTA	ZXTN2011ZTA	SOT-89	100	4.5	2.1	100	300	2	60	1	100	130	1.03	.98	.621	.521
◆ 522-ZX5T853GTA	ZX5T853GTA	SOT-223	100	6	3	100	300	2	65	1	100	130	1.21	1.15	.81	.631
◆ 522-FZT853TA	FZT853TA	SOT-223	100	6	3	100	30	2	150	2	100	130	1.68	1.19	.756	.612
◆ 522-DXT2011P5-13	DXT2011P5-13	PDI5	100	6	0.74	100	300	2	65	1	100	130	.70	.60	.413	.38
◆ 522-DXT5551P5-13	DXT5551P5-13	PDI5	160	0.6	0.7	80	250	0.01	1200	0.05	5	130	.57	.45	.297	.283
◆ 522-DXT458P5-13	DXT458P5-13	PDI5	400	0.3	1.3	100	300	0.5	500	0.05	6	50	.57	.45	.297	.283
<b>Dual</b>																
◆ 522-ZDT694TA	ZDT694TA	SM-8	120	0.5	2.75	400	-----	0.2	500	0.4	5	-----	1.53	1.46	1.02	.912

## ZETEX SINGLE PNP MEDIUM POWER TRANSISTORS



Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	P <sub>D</sub> (W)	h <sub>FE</sub>			V <sub>CE</sub> (sat)			f <sub>T</sub> (MHz)	Price Each			
						Min.	Max.	@ I <sub>C</sub> (mA)	Max. (mV)	@ I <sub>C</sub> (mA)	@ I <sub>B</sub> (mA)		1	25	100	250
◆ 522-DXT790AP5-13	DXT790AP5-13	PDI5	-40	-3	0.74	300	800	-0.01	-450	-3	-300	100	.70	.60	.413	.382
◆ 522-FMMT591TA	FMMT591TA	SOT-23	-60	-1	0.5	100	300	-0.5	-600	-1	-100	150	.33	.32	.225	.212
◆ 522-FCX591TA	FCX591TA	SOT-89	-60	-1	1	100	300	-0.5	-600	-1	-100	150	.47	.44	.283	.254
◆ 522-FZT591TA	FZT591TA	SOT-223	-60	-1	2	100	300	-0.5	-600	-1	-100	150	.76	.72	.459	.412
◆ 522-FMMT551TA	FMMT551TA	E-Line	-60	-1	0.5	50	150	-0.15	-350	-0.15	-15	150	.33	.32	.225	.201
◆ 522-ZTX551	ZTX551	E-Line	-60	-1	1	50	150	-0.15	-350	-0.15	-15	150	.72	.59	.48	.434
◆ 522-FZT751TA	FZT751TA	SOT-223	-60	-2	2	100	300	-600	-0.5	-3	-200	100	1.33	.83	.596	.512
◆ 522-ZTX751	ZTX751	E-Line	-60	-2	1	100	300	-500	-0.5	-2	-200	100	1.03	.98	.690	.621
◆ 522-ZTX951	ZTX951	E-Line	-60	-4	1.2	100	300	-1	-100	-1	-0.1	120	1.86	1.32	.837	.738
◆ 522-ZXTP2012ZTA	ZXTP2012ZTA	SOT-89	-60	-4.3	2.1	100	300	-2	-65	-1	-100	120	1.03	.98	.621	.524
◆ 522-ZX5T951GTA	ZX5T951GTA	SOT-223	-60	-5.5	3	100	300	-2	-70	-1	-100	120	1.21	1.15	.81	.631
◆ 522-DXT2012P5-13	DXT2012P5-13	PDI5	-60	-5.50	3.20	100	300	-2	-250	-5	-500	120	.70	.60	.413	.382
◆ 522-DXT2010P5-13	DXT2010P5-13	PDI5	-60	-6	3.2	100	300	-2	260	-6	-300	130	.70	.60	.413	.382
◆ 522-FMMT722TA	FMMT722TA	SOT-23	-70	-2	0.625	300	-----	-0.1	-220	-1	-100	150	.57	.54	.342	.312
◆ 522-FZT792ATA	FZT792ATA	SOT-223	-70	-2	2	250	-----	-0.5	-450	-0.5	-5	100	.99	.94	.594	.512
◆ 522-ZTX792A	ZTX792A	E-Line	-70	-2	1	250	-----	-0.5	-450	-0.5	-5	100	1.93	1.19	.963	.924
◆ 522-BSR33TA	BSR33TA	SOT-89	-80	-1	1	100	300	-0.1	-500	-0.5	-50	100	.36	.34	.235	.192
◆ 522-FMMT734TA	FMMT734TA	SOT-23	-100	-0.8	0.625	15000	-----	-1	-970	-0.8	-5	140	.57	.54	.342	.312
◆ 522-FMMT593TA	FMMT593TA	SOT-23	-100	-1	0.5	100	300	-0.5	-300	-0.5	-50	50	.33	.32	.225	.212
◆ 522-FMMT723TA	FMMT723TA	SOT-23	-100	-1	0.625	300	-----	-0.1	-200	-0.5	-50	200	.57	.54	.342	.312
◆ 522-FZT593TA	FZT593TA	SOT-223	-100	-1	2	100	300	-0.5	-300	-0.5	-50	50	.76	.72	.459	.412
◆ 522-ZTX553	ZTX553	E-Line	-100	-1	1	40	200	-0.15	-250	-0.15	-15	150	.72	.59	.48	.434
◆ 522-ZXTP25100BFHTA	ZXTP25100BFHTA	SOT-23	-100	-2	1.25	100	300	-0.01	-90	-0.5	-50	200	.67	.64	.45	.419
◆ 522-FZT753TA	FZT753TA	SOT-223	-100	-2	2	100	300	-0.5	-500	-2	-200	120	.99	.83	.596	.512
◆ 522-ZTX753	ZTX753	E-Line	-100	-2	1	100	300	-0.5	-500	-2	-200	120	1.03	.98	.69	.621
◆ 522-ZXTP2013ZTA	ZXTP2013ZTA	SOT-89	-100	-3.5	2.1	100	300	-1	-85	-1	-100	125	1.03	.98	.621	.524
◆ 522-ZTX953	ZTX953	E-Line	-100	-3.5	1.2	100	300	-1	-100	-1	-100	125	1.59	1.32	.958	.824
◆ 522-ZX5T953GTA	ZX5T953GTA	SOT-223	-100	-5	3	100	300	-1	-90	-1	-100	125	1.21	1.15	.81	.631
◆ 522-FZT953TA	FZT953TA	SOT-223	-100	-5	3	100	300	-1	-115	-1	-100	125	1.80	1.28	.81	.712
◆ 522-DXT2013P5-13	DXT2013P5-13	PDI5	-100	-5	3.2	100	300	-1	-340	-4	-400	125	.70	.60	.413	.382
◆ 522-DXT2014P5-13	DXT2014P5-13	PDI5	-140	-4	1.7	100	300	-1	-360	-3	-300	120	.75	.64	.476	.425

## ZETEX SINGLE NPN LOW SATURATION TRANSISTORS

Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	P <sub>D</sub> (W)	h <sub>FE</sub>			V <sub>CE</sub> (sat)			f <sub>T</sub> (MHz)	Price Each			
						Min.	Max.	@ I <sub>C</sub> (mA)	Max. (mV)	@ I <sub>C</sub> (mA)	@ I <sub>B</sub> (mA)		1	25	100	250
◆ 522-FCX688BTA	FCX688BTA	SOT-89	12	3	3	1	500	0.1	40	0.1	1	150	.67	.55	.402	.357
◆ 522-ZUMT617TA	ZUMT617TA	SOT-223	15	1.5	0.385	300	-----	0.1	20	0.1	10	180	.40	.38	.27	.253
◆ 522-ZXT11N15DFTA	ZXT11N15DFTA	SOT-23	15	3	0.625	300	900	0.2	0.08	1	10	145	.64	.60	.386	.342
◆ 522-FMMT617TA	FMMT617TA	SOT-23	15	3	0.625	300	-----	0.2	14	0.1	10	120	.57	.54	.342	.312
◆ 522-ZXTN25015DFHTA	ZXTN25015DFHTA	SOT-23	15	5	1.25	300	900	0.01	40	1	100	240	.67	.64	.45	.421
◆ 522-ZTX1048A	ZTX1048A	E-Line	17.5	4	1	300	1200	1	45	0.5	10	150	1.44	1.19	.866	.812
◆ 522-ZXT11N20DFTA	ZXT11N20DFTA	SOT-23	20	2.5	0.625	300	900	0.1	0.1	1	10	160	.72	.69	.437	.340
◆ 522-FMMT618TA	FMMT618TA	SOT-23	20	2.5	0.625	300	-----	0.2	15	0.1	10	140	.57	.54	.342	.312
◆ 522-ZTX689B	ZTX689B	E-Line	20	3	1	500	-----	0.1	100	0.1	0.5	150	1.85	1.15	.927	.834
◆ 522-FZT689BTA	FZT689BTA	SOT-223	20	3	2	500	-----	0.1	100	0.1	0.5	150	.87	.77	.523	.512
◆ 522																