

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output current	Supply Voltage	DC Current Gain	Output Voltage	Input Resistance		Transition frequency	Internal Structure
			P _o (mW)	I _o (mA)	V _{cc} (V)	G _i	V _o (V)	R _i (KΩ)	R _z (KΩ)	f _r (MHZ)	
DTC113ZCA	SOT-23	NPN	200	100	50	33	0.3	1	10	250	Fig.2
DTC114ECA	SOT-23	NPN	200	100	50	30	0.3	10	10	250	Fig.2
DTC114TCA	SOT-23	NPN	200	100	50	300	0.3	10		250	Fig.1
DTC114YCA	SOT-23	NPN	200	100	50	68	0.3	10	47	250	Fig.2
DTC123ECA	SOT-23	NPN	200	100	50	20	0.3	2.2	2.2	250	Fig.2
DTC123JCA	SOT-23	NPN	200	100	50	80	0.3	2.2	47	250	Fig.2
DTC123YCA	SOT-23	NPN	200	100	50	33	0.3	2.2	10	250	Fig.2
DTC124ECA	SOT-23	NPN	200	100	50	56	0.3	22	22	250	Fig.2
DTC143ECA	SOT-23	NPN	200	100	50	20	0.3	4.7	4.7	250	Fig.2
DTC143TCA	SOT-23	NPN	200	100	50	600	0.3	4.7		250	Fig.1
DTC143XCA	SOT-23	NPN	200	100	50	30	0.3	4.7	10	250	Fig.2
DTC143ZCA	SOT-23	NPN	200	100	50	80	0.3	4.7	47	250	Fig.2
DTC144ECA	SOT-23	NPN	200	100	50	68	0.3	47	47	250	Fig.2
DTC144TCA	SOT-23	NPN	200	100	50	300	0.3	47		250	Fig.1
DTC113ZUA	SOT-323	NPN	200	100	50	33	0.3	1	10	250	Fig.2
DTC114EUA	SOT-323	NPN	200	100	50	30	0.3	10	10	250	Fig.2
DTC114TUA	SOT-323	NPN	200	100	50	300	0.3	10		250	Fig.1
DTC114YUA	SOT-323	NPN	200	100	50	68	0.3	10	47	250	Fig.2
DTC123JUA	SOT-323	NPN	200	100	50	80	0.3	2.2	47	250	Fig.2
DTC123YUA	SOT-323	NPN	200	100	50	33	0.3	2.2	10	250	Fig.2
DTC124EUA	SOT-323	NPN	200	100	50	56	0.3	22	22	250	Fig.2
DTC143EUA	SOT-323	NPN	200	100	50	20	0.3	4.7	4.7	250	Fig.2
DTC143TUA	SOT-323	NPN	200	100	50	300	0.3	4.7		250	Fig.1
DTC143XUA	SOT-323	NPN	200	100	50	30	0.3	4.7	10	250	Fig.2
DTC143ZUA	SOT-323	NPN	200	100	50	80	0.3	4.7	47	250	Fig.2
DTC144EUA	SOT-323	NPN	200	100	50	68	0.3	47	47	250	Fig.2
DTC144TUA	SOT-323	NPN	200	100	50	300	0.3	47		250	Fig.1
DTC114EE	SOT-523	NPN	150	100	50	30	0.3	10	10	250	Fig.2
DTC114TE	SOT-523	NPN	150	100	50	300	0.3	10		250	Fig.1
DTC114YE	SOT-523	NPN	150	100	50	68	0.3	10	47	250	Fig.2
DTC123JE	SOT-523	NPN	150	100	50	80	0.3	2.2	47	250	Fig.2
DTC124EE	SOT-523	NPN	150	100	50	56	0.3	22	22	250	Fig.2
DTC143EE	SOT-523	NPN	150	100	50	20	0.3	4.7	4.7	250	Fig.2
DTC143TE	SOT-523	NPN	150	100	50	300	0.3	4.7		250	Fig.1
DTC143ZE	SOT-523	NPN	150	100	50	80	0.3	4.7	47	250	Fig.2
DTC144EE	SOT-523	NPN	150	100	50	68	0.3	47	47	250	Fig.2
DTC144TE	SOT-523	NPN	150	100	50	300	0.3	47		250	Fig.1
DTC114EM	SOT-723	NPN	150	100	50	30	0.3	10	10	250	Fig.2
DTC123JM	SOT-723	NPN	100	100	50	80	0.3	2.2	47	250	Fig.2
DTC143TM	SOT-723	NPN	100	100	50	600	0.3	4.7		250	Fig.1
DTC143ZM	SOT-723	NPN	100	100	50	80	0.3	4.7	47	250	Fig.2
DTC144EM	SOT-723	NPN	100	100	50	68	0.3	47	47	250	Fig.2
DDTC113ZCA	SOT-23	NPN	250	500	50	70	0.3	1	10	250	Fig.2
DDTC123YCA	SOT-23	NPN	200	500	50	56	0.3	2.2	10	200	Fig.2

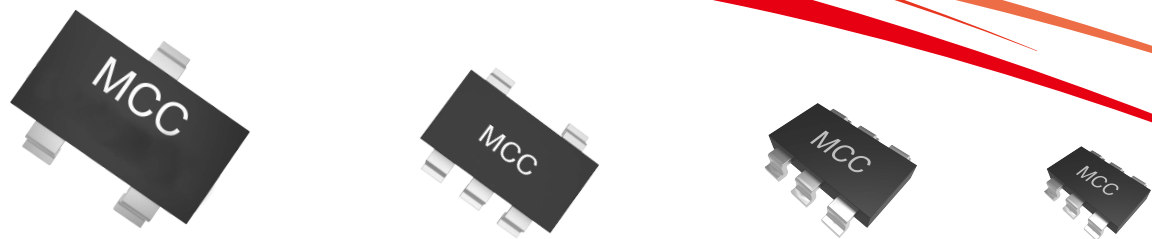
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			P _o (mW)	I _o (mA)	V _{cc} (V)	G _i	V _o (V)	R _i (KΩ)	R ₂ (KΩ)	f _r (MHZ)	
DDTC142TC	SOT-23	NPN	200	500	50	56	5	0.47		200	Fig.1
UMG2N	SOT-353	NPN*2	150	100	50	68	0.3	47	47	250	Fig.9
UMG8N	SOT-353	NPN*2	150	100	50	80	0.3	4.7	47	250	Fig.9
UMH10N	SOT-363	NPN*2	150	100	50	80	0.3	2.2	47	250	Fig.5
UMH11N	SOT-363	NPN*2	150	100	50	30	0.3	10	10	250	Fig.5
UMH13N	SOT-363	NPN*2	150	100	50	80	0.3	4.7	47	250	Fig.5
UMH1N	SOT-363	NPN*2	150	100	50	56	0.3	22	22	250	Fig.5
UMH2N	SOT-363	NPN*2	150	100	50	68	0.3	47	47	250	Fig.5
UMH3N	SOT-363	NPN*2	150	100	50	600	0.3	4.7		250	Fig.11
UMH9N	SOT-363	NPN*2	150	100	50	68	0.3	10	47	250	Fig.5
EMH10	SOT-563	NPN*2	150	100	50	80	0.3	2.2	47	250	Fig.5
DTA114YM	SOT-723	PNP	100	-70	-50	68	-5	10	47	250	Fig.4
DTA113ZCA	SOT-23	PNP	200	-100	-50	33	-0.3	1	10	250	Fig.4
DTA114ECA	SOT-23	PNP	200	-100	-50	30	-0.3	10	10	250	Fig.4
DTA114TCA	SOT-23	PNP	200	-100	-50	250	-0.3	10		250	Fig.3
DTA114YCA	SOT-23	PNP	200	-100	-50	68	-0.3	10	47	250	Fig.4
DTA123ECA	SOT-23	PNP	200	-100	-50	30	-0.3	2.2	2.2	250	Fig.4
DTA123JCA	SOT-23	PNP	200	-100	-50	80	-0.3	2.2	47	250	Fig.4
DTA123YCA	SOT-23	PNP	200	-100	-50	33	-0.3	2.2	10	250	Fig.4
DTA124ECA	SOT-23	PNP	200	-100	-50	56	-0.3	22	22	250	Fig.4
DTA143ECA	SOT-23	PNP	200	-100	-50	30	-0.3	4.7	4.7	250	Fig.4
DTA143XCA	SOT-23	PNP	200	-100	-50	30	-0.3	4.7	10	250	Fig.4
DTA143ZCA	SOT-23	PNP	200	-100	-50	80	-0.3	4.7	47	250	Fig.4
DTA144ECA	SOT-23	PNP	200	-100	-50	68	-0.3	47	47	250	Fig.4
DTA114EUA	SOT-323	PNP	200	-100	-50	30	-0.3	10	10	250	Fig.4
DTA114TUA	SOT-323	PNP	200	-100	-50	250	-0.3	10		250	Fig.3
DTA114YUA	SOT-323	PNP	200	-100	-50	68	-0.3	10	47	250	Fig.4
DTA123JUA	SOT-323	PNP	200	-100	-50	80	-0.3	2.2	47	250	Fig.4
DTA123YUA	SOT-323	PNP	200	-100	-50	33	-0.3	2.2	10	250	Fig.4
DTA124EUA	SOT-323	PNP	200	-100	-50	56	-0.3	22	22	250	Fig.4
DTA143EUA	SOT-323	PNP	200	-100	-50	30	-0.3	4.7	4.7	250	Fig.4
DTA143XUA	SOT-323	PNP	200	-100	-50	30	-0.3	4.7	10	250	Fig.4
DTA143ZUA	SOT-323	PNP	200	-100	-50	80	-0.3	4.7	47	250	Fig.4
DTA144EUA	SOT-323	PNP	200	-100	-50	68	-0.3	47	47	250	Fig.4
DTA114EE	SOT-523	PNP	150	-100	-50	30	-0.3	10	10	250	Fig.4
DTA114TE	SOT-523	PNP	150	-100	-50	250	-0.3	10		250	Fig.3
DTA123JE	SOT-523	PNP	150	-100	-50	80	-0.3	2.2	47	250	Fig.4
DTA124EE	SOT-523	PNP	150	-100	-50	56	-0.3	22	22	250	Fig.4
DTA143EE	SOT-523	PNP	150	-100	-50	30	-0.3	4.7	4.7	250	Fig.4
DTA143ZE	SOT-523	PNP	150	-100	-50	80	-0.3	4.7	47	250	Fig.4
DTA144EE	SOT-523	PNP	150	-100	-50	68	-0.3	47	47	250	Fig.4
DTA123JM	SOT-723	PNP	100	-100	-50	80	-0.3	2.2	47	250	Fig.4
DDTA123YCA	SOT-23	PNP	200	-500	-50	56	-0.3	2.2	10	200	Fig.4
UMB4N	SOT-363	PNP*2	150	-100	-50	100	-0.3	10		250	Fig.13

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			P _o (mW)	I _o (mA)	V _{cc} (V)	G _i	V _o (V)	R _i (KΩ)	R ₂ (KΩ)	f _t (MHZ)	
UMC4N	SOT-353	NPN+PNP	150	100	50/-50	68	0.3/-0.3	47, 10	47, 47	250	Fig.8
UMC5N	SOT-353	NPN+PNP	150	100	50/-50	68	0.3/-0.3	47 □4.7	47 □10	250	Fig.8
UMD10N	SOT-363	NPN+PNP	150	100	50/-50	80	0.3/-0.3	2.2	47	250	Fig.6
UMD12N	SOT-363	NPN+PNP	150	100	50/-50	68	0.3/-0.3	47	47	250	Fig.6
UMD15N	SOT-363	NPN+PNP	150	100	50/-50	20	0.3/-0.3	4.7	4.7	250	Fig.6
UMD22N	SOT-363	NPN+PNP	150	100	50/-50	80	0.3/-0.3	4.7	47	250	Fig.6
UMD2N	SOT-363	NPN+PNP	150	100	50/-50	56	0.3/-0.3	22	22	250	Fig.6
UMD3N	SOT-363	NPN+PNP	150	100	50/-50	30	0.3/-0.3	10	10	250	Fig.6
UMD9N	SOT-363	NPN+PNP	150	100	50/-50	68	0.3/-0.3	10	47	250	Fig.6
UMF21N	SOT-363	NPN+PNP	150	100	50	30	0.3	10	10	250	Fig.10
EMD22	SOT-563	NPN+PNP	150	100	50/-50	80	0.3/-0.3	4.7	47	250	Fig.6



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Internal Structure

