

APPLICATION: HIGH FREQUENCY

Part No.	y _{fs}		C _{rss} max. pF	y _{os} max. μmho	G _p min. dB	N _f max. dB	G _c min. dB	@ F MHz	Ideal for	Technology	Package
	min.	max. mmho									
2N3821	1.5	4.5	3.0	10						Nch Junction	TO-72
2N3822	3.0	6.5	3.0	20						Nch Junction	TO-72
2N3823	3.5	6.5	2.0	35		2.5		100	VHF Ampl. Mixer	Nch Junction	TO-72
2N3824	—	—	3.0	—						Nch Junction	TO-72
2N4416	4.5	7.5	0.8	50	10	4		400	VHF/UHF Ampl.	Nch Junction	TO-72
2N5457	1.0	5.0	3.0	50						Nch Junction	TO-92
2N5458	1.5	5.5	3.0	50						Nch Junction	TO-92
2N5459	2.0	6.0	3.0	50						Nch Junction	TO-92
2N5484	3.0	6.0	1.0	50	16	3.0		100	VHF/UHF Ampl.	Nch Junction	TO-92
2N5485	3.5	7.0	1.0	60	10	4.0		400	VHF/UHF Ampl.	Nch Junction	TO-92
2N5486	4.0	8.0	1.0	75	10	4.0		400	VHF/UHF Ampl.	Nch Junction	TO-92
3N128	5	12	0.28	500	13.5	5	—	200	VHF Ampl. — Oscil.	Nch Depl. MOS	TO-72
3N223	17	40	0.05	—	—	—	21	200	VHF Mixer	Nch Depl. Dual Gate MOS	TO-72
MFE130	8	20	0.05	—	17	5	—	105	RF Ampl.	Nch Depl. Dual Gate MOS	TO-72
MFE131	8	20	0.05	—	20	5	—	60	RF Ampl.	Nch Depl. Dual Gate MOS	TO-72
MFE132	8	20	0.05	—	—	—	12	200	Mixer	Nch Depl. Dual Gate MOS	TO-72
MFE140	10	20	0.05	—	20	3.5	15	100	FM Ampl. Mixer	Nch Depl. Dual Gate MOS	TO-72
BF256A	4.5	—	0.7	—	11	7.5		800	VHF/UHF Ampl.	Nch Junction	TO-92*
BF256B	4.5	—	0.7	—	11	7.5		800	VHF/UHF Ampl.	Nch Junction	TO-92*
BF256C	4.5	—	0.7	—	11	7.5		800	VHF/UHF Ampl.	Nch Junction	TO-92*

APPLICATION: GENERAL PURPOSE

Part No.	y _{fs}		V _{GS(off)}		I _{GSS} max. nA	N _f max. dB	C _{rss} max. pF	V(BR)GSS min. V	Ideal for	Technology	Package
	min.	max. mmho	min. V	max.							
2N3993	6	12	4.0	9.5	—	—	4.5	25		Pch Junction	TO-72
2N3994	4	10	1.0	5.5	—	—	5.0	25		Pch Junction	TO-72
2N4220	1	4	—	4.0	0.1	2.5	2.0	30	Amplifier	Nch Junction	TO-72
2N4221	2	5	—	6.0	0.1	2.5	2.0	30	Amplifier	Nch Junction	TO-72
2N4222	2.5	6	—	8.0	0.1	2.5	2.0	30	Amplifier	Nch Junction	TO-72
2N5457	1	5	0.5	6.0	1.0	—	3.0	25	Audio	Nch Junction	TO-92
2N5458	1.5	5.5	1.0	7.0	1.0	—	3.0	25	Audio	Nch Junction	TO-92
2N5459	2	6	2.0	8.0	1.0	—	3.0	25	Audio	Nch Junction	TO-92
2N5460	1	4	0.75	6.0	5.0	2.5	2.0	40	Amplifier	Pch Junction	TO-92
2N5461	1.5	5	1.0	7.5	5.0	2.5	2.0	40	Amplifier	Pch Junction	TO-92
2N5462	2	6	1.8	9.0	5.0	2.5	2.0	40	Amplifier	Pch Junction	TO-92
MFE823	1	—	2.0	6.0	0.001	—	1.5	25	Smoke detectors, Ph. meters,	Pch Enh. MOS	TO-18
MFE824	1	4	—	6.0	0.001	—	0.7	20	Electrometer ampl.	Nch Enh. Depl. MOS	TO-18
MPF102	2	7.5	—	8.0	2.0	—	3.0	25	Ampl.-Mixer	Nch Junction	TO-92
BF245A	3	6.5	0.4	2.2**	5.0	1.5	1.1	30	Amplifier	Nch Junction	TO-92*
BF245B	3	6.5	1.6	3.8**	5.0	1.5	1.1	30	Amplifier	Nch Junction	TO-92*
BF245C	3	6.5	3.2	7.5**	5.0	1.5	1.1	30	Amplifier	Nch Junction	TO-92*

* Leads formed to TO-18 pin circle.

** VGS at 200 μA.

OUTLINE DIMENSIONS

The TO-92 is the most popular, high-volume plastic package and will meet most of your high-performance, low-cost requirements.

