

GENERAL-PURPOSE AMPLIFIERS/SWITCHES

Type No.	POLARITY	PD T _A = 25 C (mW)	V _(BR) CBO Volts	V _(BR) CEO Volts	V _(BR) EBO Volts	I _{CBO} μA Max.	D-C CURRENT GAIN (h _{FE})				V _{CE(SAT)}		f _T Min. (MHz)	C _{cb} Max. (pF)	t _{off} Max. (nsec)	N.F. Max. (dB)			
							Conditions		Limits		I _C (mA)	Max. Volts						I _C (mA)	Max. Volts
							I _C (mA)	V _{CE} Volts	Min.	Max.									
2N5368	NPN	500	60	30	5	0.05	150	10	60	200	150	0.30	250	8.0	350	—	BR Package (TO-92 Body with TO-18 Pinning) or 		
2N5369	NPN	500	60	30	5	0.05	150	10	100	300	150	0.30	250	8.0	350	—			
2N5370	NPN	500	60	30	5	0.05	150	10	200	600	150	0.30	250	8.0	400	—			
2N5371	NPN	500	40	30	5	0.05	150	10	60	600	150	0.30	250	8.0	400	—			
2N5372	PNP	500	60	30	5	0.05	150	10	40	120	150	0.30	150	10.0	150	—			
2N5373	PNP	500	60	30	5	0.05	150	10	100	300	150	0.30	150	10.0	150	—			
2N5374	PNP	500	60	30	5	0.05	150	10	150	450	150	0.30	150	10.0	175	—			
2N5375	PNP	500	40	30	5	0.05	150	10	40	400	150	0.30	150	10.0	175	—			
2N5380	NPN	500	60	40	6	0.05	10	1	50	150	50	0.30	250	4.0	175	6			
2N5381	NPN	500	60	40	6	0.05	10	1	100	300	50	0.30	300	4.0	200	5			
2N5382	PNP	500	40	40	6	0.05	10	1	50	150	50	0.40	200	4.5	200	5			
2N5383	PNP	500	40	40	6	0.05	10	1	100	300	50	0.40	250	4.5	225	4			
2N5810	NPN	500	35	25	5	0.10	500	2	45	—	500	0.75	100	15.0	—	—	TO-92 Formed to TO-18 (CBE Pinning)		
2N5811	PNP	500	35	25	5	0.10	500	2	45	—	500	0.75	100	15.0	—	—			
2N5812	NPN	500	35	25	5	0.10	500	2	60	—	500	0.75	135	15.0	—	—			
2N5813	PNP	500	35	25	5	0.10	500	2	60	—	500	0.75	135	15.0	—	—			
2N5814	NPN	500	50	40	5	0.10	2	2	60	120	500	0.75	100	15.0	—	—			
2N5815	PNP	500	50	40	5	0.10	2	2	60	120	500	0.75	100	15.0	—	—			
2N5816	NPN	500	50	40	5	0.10	2	2	100	200	500	0.75	120	15.0	—	—			
2N5817	PNP	500	50	40	5	0.10	2	2	100	200	500	0.75	120	15.0	—	—			
2N5818	NPN	500	50	40	5	0.10	2	2	150	300	500	0.75	135	15.0	—	—			
2N5819	PNP	500	50	40	5	0.10	2	2	150	300	500	0.75	135	15.0	—	—			
TP3638	PNP	500	25	25	4	35	50	1	30	—	300	1.0	100	20	170	—			
TP3638A	PNP	500	25	25	4	35	50	1	300	—	300	1.0	150	10	170	—			
2N3402	NPN	900	25	25	5	0.1	2	4.5	75	225	50	0.30	—	—	—	—			
2N3403	NPN	900	25	25	5	0.1	2	4.5	180	540	50	0.30	—	—	—	—			
2N3404	NPN	900	50	50	5	0.1	2	4.5	75	225	50	0.30	—	—	—	—			
2N3405	NPN	900	50	50	5	0.1	2	4.5	180	540	50	0.30	—	—	—	—			
2N4425	NPN	900	60	40	5	0.03	2	4.5	180	540	50	0.30	—	—	—	—	TO-98HS or TO-92HS (ECB)		
2N2713	NPN	360	18	18	5	0.10	2	4.5	30	90	50	0.30	—	—	—	—			
2N2714	NPN	360	18	18	5	0.10	2	4.5	75	225	50	0.30	—	—	—	—			
2N3390	NPN	360	18	18	5	0.10	2	4.5	400	800	—	—	10.0	—	—	—			
2N3414	NPN	360	25	25	5	0.10	2	4.5	75	225	50	0.30	—	—	—	—			
2N3415	NPN	360	25	25	5	0.10	2	4.5	180	540	50	0.30	—	—	—	—			
2N3416	NPN	360	50	50	5	0.10	2	4.5	75	225	50	0.30	—	—	—	—			
2N3417	NPN	360	50	50	5	0.10	2	4.5	180	540	50	0.30	—	—	—	—			
2N3975	NPN	360	60	30	5	0.50	10	1	35	100	150	0.30	200*	7.0	—	—			
2N3976	NPN	360	60	30	5	0.50	10	1	55	200	150	0.30	200*	7.0	—	—			
2N4424	NPN	360	60	40	5	0.03	2	4.5	180	540	50	0.30	—	—	—	—			
2N4951	NPN	360	60	30	5	0.05	150	10	60	200	150	0.30	250	8.0	350	—			
2N4952	NPN	360	60	30	5	0.05	150	10	100	300	150	0.30	250	8.0	350	—			
2N4953	NPN	360	60	30	5	0.05	150	10	200	600	150	0.30	250	8.0	400	—			
2N4954	NPN	360	40	30	5	0.05	150	10	60	600	150	0.30	250	8.0	400	—			
2N5418	NPN	400	25	25	4	0.10	50	2	44	110	50	0.25	—	—	—	—			
2N5419	NPN	360	25	25	4	0.10	50	1	100	300	50	0.25	250	6.0	—	—			
2N5420	NPN	360	25	25	4	0.10	50	1	250	500	50	0.25	250	6.0	—	—			
D29A4	PNP	360	35	25	4	0.01	50	4.5	40	120	50	0.30	—	8.0	—	—	TO-92 (ECB)		
D29A5	PNP	360	35	25	4	0.01	50	4.5	100	300	50	0.30	—	8.0	—	—			
TZ-551	PNP	360	60	30	5	0.05	150	10	40	120	150	0.30	150	10.0	150	—			
TZ-552	PNP	360	60	30	5	0.05	150	10	100	300	150	0.30	150	10.0	150	—			
TZ-553	PNP	360	60	30	5	0.05	150	10	150	450	150	0.30	150	10.0	175	—			

*Typical value