

▼Table 1 - GUARANTEED D-C BETA DISTRIBUTION BY GROUP

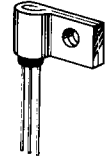
h_{FE}	Color Code Group	55-110	90-180	150-300	250-500	400-800
		Red	Orange	Yellow	White	Blue
2N3395	—	—	—	35-65%	35-65%	—
2N3396	—	10-60%	10-60%	5-35%	—	—
2N3397	0-15%	10-50%	10-50%	5-35%	—	—
2N3398	0-15%	10-50%	10-50%	5-35%	—	0-15%

■Table 2 - GUARANTEED A-C BETA DISTRIBUTION BY GROUP

h_{fe}	Color Code Group	35-70	55-110	90-180	150-300	235-470
		Brown	Red	Orange	Yellow	Green
2N2926	0-6%	5-10%	20-26%	35-45%	20-30%	—

GENERAL-PURPOSE SMALL-SIGNAL AMPLIFIERS

Type No.	POLARITY	P_D $T_A = 25^\circ C$ (mW)	$V_{(BR)}$ CBO Volts	$V_{(BR)}$ CEO Volts	$V_{(BR)}$ EBO Volts	I_{CBO} nA Max.	D-C CURRENT GAIN (h_{FE})				$V_{CE(SAT)}$		f_r Typ. (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.								
D29E1-J1	PNP	700	35	25	5	100	500	2	45	—	500	0.75	100	15.0	—	—		
D29E2-J1	PNP	700	35	25	5	100	500	2	60	—	500	0.75	135	15.0	—	—		
D29E4-J1	PNP	700	50	40	5	100	2	2	60	120	500	0.75	80	15.0	—	—		
D29E5-J1	PNP	700	50	40	5	100	2	2	100	200	500	0.75	120	15.0	—	—		
D29E6-J1	PNP	700	50	40	5	100	2	2	150	300	500	0.75	135	15.0	—	—		
D29E7-J1	PNP	700	50	40	5	100	2	2	250	500	500	0.75	150	15.0	—	—		
D33D21-J1	NPN	700	35	25	5	100	500	2	45	—	500	0.75	100	15.0	—	—		
D33D22-J1	NPN	700	35	25	5	100	500	2	60	—	500	0.75	135	15.0	—	—		
D33D24-J1	NPN	700	50	40	5	100	2	2	60	120	500	0.75	80	15.0	—	—		
D33D25-J1	NPN	700	50	40	5	100	2	2	100	200	500	0.75	120	15.0	—	—		
D33D26-J1	NPN	700	50	40	5	100	2	2	150	300	500	0.75	135	15.0	—	—		
D33D27-J1	NPN	700	50	40	5	100	2	2	250	500	500	0.75	150	15.0	—	—		
2N3702	PNP	360	40	25	5	100	50	5	60	300	50	0.25	100	12.0	—	—		
2N3703	PNP	360	50	30	5	100	50	5	30	150	50	0.25	100	12.0	—	—		
2N3704	NPN	360	50	30	5	100	50	2	100	500	100	0.60	100	12.0	—	—		
2N3705	NPN	360	50	30	5	100	50	2	50	150	100	0.80	100	12.0	—	—		
2N3706	NPN	360	40	20	5	100	50	2	30	600	100	1.00	100	12.0	—	—		
2N3707	NPN	360	30	30	6	100	0.1	5	100	400	10	1.00	—	—	—	5		
2N3708	NPN	360	30	30	6	100	1.0	5	45	660	10	1.00	—	—	—	—		
2N3709	NPN	360	30	30	6	100	1.0	5	45	165	10	1.00	—	—	—	—		
2N3710	NPN	360	30	30	6	100	1.0	5	90	330	10	1.00	—	—	—	—		
2N3711	NPN	360	30	30	6	100	1.0	5	180	660	10	1.00	—	—	—	—		
2N4058	PNP	360	30	30	6	100	0.1	5	100	400	10	0.70	—	—	—	5		
2N4059	PNP	360	30	30	6	100	1.0	5	45	660	10	0.70	—	—	—	—		
2N4060	PNP	360	30	30	6	100	1.0	5	45	165	10	0.70	—	—	—	—		
2N4061	PNP	360	30	30	6	100	1.0	5	90	330	10	0.70	—	—	—	—		
2N4062	PNP	360	30	30	6	100	1.0	5	180	660	10	0.70	—	—	—	—		



TO-98HS
or
TO-92HS
Package
with
ECB
Pinning



TO-92
Package
with
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GENERAL-PURPOSE AMPLIFIER/SWITCHES

2N3903	NPN	360	60	40	6	50	10	1	50	150	50	0.30	250	4.0	175	6
2N3904	NPN	360	60	40	6	50	10	1	100	300	50	0.30	300	4.0	200	5
2N3905	PNP	360	40	40	5	50	10	1	50	150	50	0.40	200	4.5	200	5
2N3906	PNP	360	40	40	5	50	10	1	100	300	50	0.40	250	4.5	225	4
2N4123	NPN	500	40	30	5	50	2	1	50	150	50	0.40	250	4.0	—	6
2N4124	NPN	500	30	25	5	50	2	1	120	360	50	0.40	300	4.0	—	5
2N4125	PNP	500	30	30	4	50	2	1	50	150	50	0.40	200	4.5	—	5
2N4126	PNP	500	25	25	4	50	2	1	120	360	50	0.40	250	4.5	—	4
2N4400	NPN	350	60	40	6	100	150	1	50	150	150	0.40	200	6.5	—	—
2N4401	NPN	350	60	40	6	100	150	1	100	300	150	0.40	250	6.5	—	—
2N4402	PNP	310	40	40	5	100	150	2	50	150	150	0.40	150	8.5	—	—
2N4403	PNP	310	40	40	5	100	150	2	100	300	150	0.40	200	8.5	—	—
MPS2713	NPN	360	18	18	5	500	2	4.5	30	90	50	0.30	—	—	—	—
MPS2714	NPN	360	18	18	5	500	2	4.5	75	225	50	0.30	—	—	—	—
MPS3390	NPN	360	18	18	5	100	2	4.5	400	800	—	—	—	10.0	—	—
MPS3638	PNP	310	25	25	4	35	50	1	30	—	50	0.25	150	20.0	210	—
MPS3638A	PNP	310	25	25	4	35	50	1	100	—	50	0.25	150	10.0	210	—
TP3644	PNP	625	45	45	5	35	50	1	80	240	150	0.40	200	8.0	100	—
TP3645	PNP	625	60	60	5	35	50	1	80	240	150	0.40	200	8.0	100	—
TP5142	PNP	625	20	20	4	50	50	1	30	—	50	0.50	100	10.0	200	—



TO-92
Package
(EBC
Pinning)