



Fig.	V _{ceo} (V)	I _c (mA)	HFE min.	N° de référence Digi-Key	1	Prix 25	100	Bande et bobine	Qté	Prix
Transistors NPN										
TO-92										
15	50	20		2N5770-ND	.20	3.78	10.90	—	—	—
15	200	20		2N5769-ND	.19	3.60	10.41	—	—	—
15	200	20		PN2369-ND	.16	3.05	8.81	—	—	—
15	200	18		PN4275-ND	.16	3.05	8.81	—	—	—
15	200	20		PN2369A-ND	.16	3.05	8.81	—	—	—
15	300	15		2N5772-ND	.19	3.43	9.91	—	—	—
20	1,200	20,000		MPSA12-ND	.24	4.42	12.77	—	—	—
25	50	60		MPSH10FS-ND	.27	5.01	13.87	—	—	—
25	100	400		2N5089BU-ND	.09	1.72	4.95	—	—	—
25	100	150		MPS2924-ND	.35	7.00	19.21	—	—	—
25	200	60		2N4124BU-ND	.09	1.81	5.23	—	—	—
25	200	150		MPS6515-ND	.19	3.66	10.57	—	—	—
25	200	15		PN5135-ND	.27	5.29	14.91	—	—	—
25	500	100		2N5172_D26ZCT-ND	.18	3.34	9.64	2,000	39.81/M	—
25	500	150		PN3565-ND	.18	3.32	9.58	—	—	—
30	100	300		2N5088BU-ND	.09	1.81	5.23	—	—	—
30	200	25		2N4123-ND	.09	1.77	5.12	—	—	—
30	500	100		2N3704-ND	.18	3.34	9.64	—	—	—
30	600	35		PN2222BU-ND	.09	1.81	5.23	—	—	—
30	600	80		PN3566-ND	.18	3.28	9.47	—	—	—
30	1,200	5,000		MPSA13-ND	.24	4.42	12.77	—	—	—
30	1,200	10,000		MPSA14-ND	.24	4.42	12.77	—	—	—
30	500	100		BC184C-ND	.18	3.40	9.80	—	—	—
30	500	100		BC184L-ND	.18	3.40	9.80	—	—	—
30	1,200	30,000		BC517-ND	.21	4.01	11.56	—	—	—
30	100	420		BC548C-ND	.18	3.40	9.80	—	—	—
30	100	110		BC549-ND	.18	3.40	9.80	—	—	—
40	200	40		2N3904FS-ND	.09	1.72	4.95	—	—	—
40	200	30		2N3904D26ZCT-ND	.09	1.72	4.95	2,000	20.58/M	—
40	200	30		2N3904TFACT-ND	.09	1.72	4.95	2,000	20.33/M	—
40	500	100		PN3569-ND	.18	3.28	9.47	—	—	—
40	600	20		2N4400-ND	.10	1.89	5.45	—	—	—
40	600	20		2N4401-ND	.10	1.89	5.45	—	—	—
40	600	20		2N4401D26ZCT-ND	.10	1.89	5.45	2,000	22.64/M	—
40	600	20		2N4401D75ZCT-ND	.10	1.89	5.45	2,000	22.64/M	—
40	600	20		2N4401TFCT-ND	.10	1.89	5.45	2,000	22.87/M	—
40	600	40		PN3567-ND	.18	3.28	9.47	—	—	—
40	1,000	35		PN2222AFS-ND	.09	1.81	5.23	—	—	—
40	1,000	35		PN2222AD26ZCT-ND	.10	1.89	5.45	2,000	22.64/M	—
45	100	400		MPSA18-ND	.21	3.95	11.40	—	—	—
45	100	80		PN100RMCT-ND	.18	3.32	9.58	2,000	39.79/M	—
45	800	60		BC337-ND	.26	4.94	13.70	—	—	—
45	800	100		BC33725-ND	.26	4.94	13.70	—	—	—
45	800	100		BC33725TACT-ND	.12	2.15	6.23	2,000	25.84/M	—
45	800	170		BC33740TACT-ND	.12	2.15	6.23	2,000	25.84/M	—
45	100	110		BC547-ND	.18	3.40	9.80	—	—	—
45	100	110		BC547BFS-ND	.18	3.40	9.80	—	—	—
45	100	110		BC547BFACT-ND	.09	1.72	4.95	2,000	20.58/M	—
45	100	110		BC550-ND	.18	3.40	9.80	—	—	—
50	100	200		2N5210-ND	.09	1.72	4.95	—	—	—
50	100	40		BC182-ND	.18	3.40	9.80	—	—	—
50	100	40		BC182B-ND	.18	3.40	9.80	—	—	—
60	100	100		2N5961-ND	.19	3.63	10.46	—	—	—
60	100	20		PN2484-ND	.19	3.49	10.08	—	—	—
65	100	110		BC546-ND	.21	4.01	11.56	—	—	—
80	200	60		2N4410-ND	.20	3.81	11.01	—	—	—
80	500	100		MPSA06-ND	.24	4.45	12.33	—	—	—
80	500	100		MPSA06_D26ZTR-ND	—	—	—	2,000	52.18/M	—
80	500	100		MPSA06RACT-ND	.24	4.45	12.33	2,000	52.52/M	—
80	1,000	25		BC639-ND	.23	4.29	11.89	—	—	—
100	200	60		2N5830-ND	.20	3.78	10.90	—	—	—
100	1,500	1,000		2N7052-ND	.27	5.29	14.91	—	—	—
140	600	20		2N5550BU-ND	.10	1.92	5.56	—	—	—
200	200	25		MPSA43-ND	.25	4.59	12.73	—	—	—
300	500	25		MPSA42FS-ND	.25	4.62	13.32	—	—	—
300	500	25		MPSA42_D26ZTR-ND	—	—	—	2,000	55.35/M	—
400	300	40		KSP44TACT-ND	.19	3.60	10.41	2,000	43.20/M	—
400	1,500	5		FJN13003TACT-ND	.34	6.78	18.60	2,000	93.00/M	—
400	1,500	5		FJN3003TACT-ND	.27	5.29	14.91	2,000	64.37/M	—
SOT-23										
2	12	50	25	MMBT5179CT-ND	.15	2.82	8.15	3,000	29.46/M	—
2	15	200	20	MMBT2369ACT-ND	.12	2.29	6.61	3,000	23.89/M	—
2	25	50	60	MMBT10F5CT-ND	.15	2.82	8.15	3,000	29.46/M	—
2	25	100	300	MMBT5089CT-ND	.14	2.52	7.27	3,000	26.25/M	—

Fig.	V _{ceo} (V)	I _c (mA)	HFE min.	N° de référence Digi-Key	1	Prix 25	100	Bande et bobine	Qté	Prix
SOT-223 — Conforme à RoHS										
2	25	200	60	KST10MTFCT-ND	.12	2.19	6.34	3,000	22.89/M	—
2	30	100	300	MMBT5088CT-ND	.13	2.41	6.94	3,000	25.08/M	—
2	30	100	110	BC848CMFCT-ND	.10	1.91	5.51	3,000	19.91/M	—
2	30	1,200	4,000	BCV27CT-ND	.14	2.59	7.49	3,000	27.07/M	—
2	40	200	30	MMBT3904F5CT-ND	.07	1.26	3.63	3,000	13.14/M	—
2	40	600	20	MMBT4401F5CT-ND	.08	1.62	4.68	3,000	16.92/M	—
2	40	800	35	BSR14CT-ND	.11	2.10	6.06	3,000	21.90/M	—
2	40	1,000	35	MMBT2222AF5CT-ND	.08	1.39	4.02	3,000	14.54/M	—
2	40	1,200	10,000	MMBT6427F5CT-ND	.16	2.99	8.65	3,000	31.25/M	—
2	45	100	110	BC847BMFCT-ND	.10	1.91	5.51	3,000	19.91/M	—
2	45	100	110	BC847CMFCT-ND	.10	1.91	5.51	3,000	19.91/M	—
2	45	800	100	BC81725MFCT-ND	.10	1.91	5.51	3,000	19.91/M	—
2	50	500	250	MMBT6428CT-ND	.13	2.41	6.94	3,000	25.08/M	—
2	50	800	100	BC81740MFCT-ND	.10	1.91	5.51	3,000	19.91/M	—
2	65	100	110	BC846BMFCT-ND	.10	1.91	5.51	3,000	19.91/M	—
2	80	500	100	MMBTA06F5CT-ND	.19	3.43	9.91	3,000	35.83/M	—
2	160	600	30	MMBT5551F5CT-ND	.14	2.53	7.33	3,000	26.48/M	—
2	300	500	25	MMBTA42F5CT-ND	.19	3.66	10.57	3,000	38.22/M	—
2	300	500	25	KST42MTFCT-ND	.14	2.59	7.49	3,000	27.07/M	—
SOT-264 — Conforme à RoHS										
3	40	1,000	35	PZT2222ACT-ND	.32	6.25	17.59	2,500	71.96/M	—
3	60	1,500	25	BCP55F5CT-ND	.32	6.45	17.69	2,500	83.52/M	—
3	300	500	25	PZTA42CT-ND	.30	6.23	17.08	2,500	80.64/M	—
TO-220 — Conforme à RoHS										
4	230	15,000	35	FJL43150TU-ND	1.51	30.18	90.54	—	—	—
TO-220 — Conforme à RoHS										
5	30	3,000	120	KSC1173YSTU-ND	.40	7.88	23.63	—	—	—
5	60	2,000	500	TIP110-ND	.47	9.49	28.46	—	—	—
5	60	5,000	1,000	TIP120-ND	.47	9.49	28.46	—	—	—
5	80	10,000	35	KSE44H11TU-ND	.51	9.53	28.59	—	—	—
5	80	6,000	15	TIP41B-ND	.47	9.32	27.95	—	—	—
5	100	1,000	15	TIP29CF5-ND	.47	9.32	27.95	—	—	—
5	100	2,000	500	TIP112TU-ND	.47	9.49	28.46	—	—	—
5	100	3,000	10	TIP31CF5-ND	.42	8.47	25.41	—	—	—
5	100	3,000	10	TIP31CTU-ND	.47	9.32	27.95	—	—	—
5	100	5,000	1,000	TIP122FS-ND	.42	7.88	23.63	—	—	—
5	100	5,000	1,000	TIP122TU-ND	.4					

Fig.	Vceo (V)	Ic (mA)	HFE min.	N° de référence Digi-Key	Prix			Bande et bobine\$	
					1	25	100	Qté	Prix
TO-220F — Conforme à RoHS									
230	15,000	55	FJPF13007TU-ND	.89	18.53	59.29	—	—	—
230	15,000	80	FJPF2000TU-ND	.89	18.53	59.29	—	—	—
400	8,000	5	FJPF13007TU-ND	.58	10.89	32.69	—	—	—
400	8,000	26	FJPF13007H2TU-ND	.61	11.43	34.30	—	—	—
400	8,000	5	FJPF13007TU-ND	.58	10.74	32.21	—	—	—
6	400	12,000	6	FJPF13009H2TU-ND	.78	14.61	43.83	—	—
400	12,000	6	FJPF13009TU-ND	.75	13.98	41.93	—	—	—
400	4,000	8	FJPF3305H1TU-ND	.50	9.29	27.88	—	—	—
400	4,000	8	FJPF3305H2TU-ND	.43	8.07	24.21	—	—	—
400	4,000	8	FJPF3305TU-ND	.53	9.78	29.35	—	—	—
500	5,000	8	FJPF3321TU-ND	.57	10.59	31.75	—	—	—
800	3,000	20	FJPF50270TU-ND	.63	11.76	35.25	—	—	—
800	3,000	15	FJPF5027RTU-ND	.57	10.61	31.83	—	—	—
900	100	30	KCS5042TU-ND	.43	8.13	24.39	—	—	—
D-PAK — Conforme à RoHS									
60	10,000	5	MJD3055TFCT-NDΔ	.47	9.32	27.95	2,000	130.44/M	—
80	8,000	40	MJD44H11TMCT-NDΔ	.47	8.89	26.68	2,500	154.16/M	—
100	8,000	1000	KSH122TFCT-NDΔ	.47	9.49	28.46	2,000	132.81/M	—
100	2,000	200	MJD112TFCT-NDΔ	.46	8.51	25.54	2,000	150.95/M	—
100	8,000	100	MJD122TFCT-NDΔ	.47	9.49	28.46	2,000	132.81/M	—
100	3,000	10	MJD31CTFCT-NDΔ	.46	9.15	27.44	2,000	128.07/M	—
100	6,000	15	MJD41CTFCT-NDΔ	.47	9.32	27.95	2,000	130.44/M	—
100	6,000	15	KSH41CTFCT-NDΔ	.47	9.32	27.95	2,000	130.44/M	—
100	3,000	10	KSH31CTFCT-NDΔ	.47	9.46	28.38	2,000	132.46/M	—
100	2,000	200	KSH112TMCT-NDΔ	.47	9.49	28.46	2,500	128.07/M	—
100	8,000	100	KSH122TMCT-NDΔ	.47	9.49	28.46	2,500	128.07/M	—
400	3,000	10	FJDS553TMCT-NDΔ▲	.50	9.34	28.02	2,500	161.86/M	—
400	4,000	10	FJDS304DFCT-NDΔ▲	.44	8.81	26.43	2,000	123.33/M	—
400	5,000	10	FJDS555TMCT-NDΔ▲	.58	10.80	32.40	2,500	187.19/M	—
600	2,000	3	KCS5022TMCT-NDΔ	.59	11.12	33.35	2,500	192.70/M	—
D2-PAK — Conforme à RoHS									
7	100	8,000	200	FJB102TMCT-NDΔ▲	.80	14.93	44.79	800	222.93
TO-126 — Conforme à RoHS									
60	5,000	160	KSD1691YSTU-ND	.42	8.39	25.16	—	—	—
80	1,500	25	BD13916STU-ND	.36	7.22	19.82	—	—	—
300	500	30	MJE340STU-ND	.42	8.33	22.87	—	—	—
400	1,500	5	FJE3303TU-ND	.41	8.05	24.14	—	—	—
400	1,500	8	FJE3303HTU-ND	.35	7.05	19.33	—	—	—
400	4,000	8	FJE5304TU-ND	.48	9.66	28.97	—	—	—
400	1,500	5	KSE13003H1ASTU-ND	.36	7.11	21.34	—	—	—
400	1,500	5	KSE13003H2ASTU-ND	.36	7.11	21.34	—	—	—
400	1,500	14	FJE3303H2TU-ND	.38	7.65	22.95	—	—	—
SOT-523F — Conforme à RoHS									
40	100	100	FJY3009RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
40	100	100	FJY3010RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
40	100	100	FJY3011RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
40	100	100	FJY3012RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
40	200	30	MMBT3904CT-NDΔ	.15	2.86	8.26	3,000	29.86/M	—
50	100	22	FJY3001RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	30	FJY3002RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	56	FJY3003RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	56	FJY3004RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	30	FJY3005RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	68	FJY3006RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	68	FJY3007RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	56	FJY3008RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	56	FJY3013 RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	68	FJY3014RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
50	100	33	FJY3015RCT-NDΔ	.18	3.34	9.64	3,000	34.84/M	—
TO-3P — Conforme à RoHS									
60	10,000	500	TIP140TU-ND	.91	19.06	60.98	—	—	—
100	10,000	500	TIP142TU-ND	.94	19.59	62.68	—	—	—
120	8,000	120	FJA383STU-ND	.98	20.44	65.39	—	—	—
140	10,000	50	FJA43100TU-ND	.99	20.65	66.07	—	—	—
230	15,000	35	FJA4313RTU-ND	1.15	23.98	76.74	—	—	—
230	15,000	35	FJA43130TU-ND	1.07	22.28	71.92	—	—	—
400	12,000	6	FJA13009TU-ND	.90	18.68	59.30	—	—	—
500	10,000	15	KCS5024RTU-ND	.99	20.65	66.07	—	—	—
TO-3PF — Conforme à RoHS									
11	140	10,000	50	FJAF4310YTU-ND	.93	19.48	62.34	—	—
16-SOIC — Conforme à RoHS									
12	40	200	30	MMPQ3904FSCCT-NDΔ	.89	18.47	59.12	2,500	384.54/M
I2-PAK — Conforme à RoHS									
13	800	3,000	20	FJ15603DTU-ND	1.02	21.34	68.27	—	—
Transistors PNP									
TO-92									
10	500	15	PN5134-ND◆	.16	3.05	8.81	—	—	—
12	200	20	PN3640-ND◆	.47	9.32	27.95	—	—	—
15	200	20	2N5771-ND	1.14	23.83	76.23	—	—	—
20	50	15	PN5142-ND	.36	6.89	19.38	—	—	—
25	200	60	2N4126-ND◆	.09	1.81	5.23	—	—	—
25	800	20	PN3638A-ND◆	.19	3.47	10.02	—	—	—
30	200	30	PN4917-ND	.18	3.28	9.47	—	—	—
30	200	25	2N4125-ND◆	.09	1.81	5.23	—	—	—
30	500	50	PN5138-ND	.19	3.63	10.46	—	—	—
30	1,200	5,000	MPSA63-ND◆	.22	4.06	11.73	—	—	—
30	1,000	30,000	BC516-ND◆†	.21	4.01	11.56	—	—	—
30	100	110	BC559-ND◆†	.24	4.39	12.66	—	—	—
40	200	15	2N3905-ND◆	.10	1.92	5.56	—	—	—
40	200	30	2N3906FS-ND◆	.09	1.77	5.12	—	—	—
40	200	30	2N3906D26ZCT-ND◆Δ	.09	1.77	5.12	2,000	21.27/M	
40	200	30	2N3906TFCT-ND◆Δ†	.09	1.77	5.12	2,000	21.18/M	
40	200	30	PN4122-ND	.18	3.28	9.47	—	—	—
40	500	100	PN4249-ND	.19	3.63	10.46	—	—	—
40	500	250	PN4250-ND	.19	3.63	10.46	—	—	—
40	600	30	2N4402-ND	.11	2.00	5.79	—	—	—
40	600	20	2N4403-ND◆	.11	2.00	5.79	—	—	—
40	600	20	2N4403D26ZCT-ND◆Δ	.11	2.02	5.84	2,000	24.24/M	
40	800	30	PN2907-ND◆	.12	2.29	6.61	—	—	—
45	800	40	BC327-ND◆†	.25	4.77	13.21	—	—	—
45	100	110	BC557-ND◆†	.24	4.39	12.66	—	—	—
45	100	110	BC560-ND◆†	.24	4.39	12.66	—	—	—
45	100	420	BC560CTACT-ND◆Δ†	.10	1.83	5.29	2,000	21.96/M	
50	50	30	PN3251-ND	.33	6.67	18.30	—	—	—
50	100	250	2N5087-ND◆	.09	1.81	5.23	—	—	—
50	300	—	BC212-ND◆	.24	4.39	12.66	—	—	—

Fig.	Vceo (V)	Ic (mA)	HFE min.	N° de référence Digi-Key	Prix			Bande et bobine\$	
					1	25	100	Qté	Prix
1	50	300	40	BC212L-ND◆▲	.19	3.49	10.08	—	—
60	500	250	PN4250A-ND◆	.19	3.63	10.46	—	—	
60	500	100	MPSA05-ND◆	.24	4.45	12.33	—	—	
60	800	10	PN2907ABUFS-ND◆	.10	1.91	5.51	—	—	
60	800	50	PN2907ATACT-ND◆Δ†	.12	2.29	6.61	2,000	27.11/M	
80	500	100	MPSA66-ND◆	.20	3.89	11.23	—	—	
80	1,000	25	BC640-ND◆†	.28	5.16	14.31	—	—	
120	600	30	2N5400-ND◆	.20	3.78	10.90	—	—	
150	600	30	2N5401-ND◆	.11	2.04	5.90	—	—	
300	500	25	MPSA92FS-ND◆	.51	9.53	26.43	—	—	
SOT-23									
12	200	20	MMBT3640CT-ND◆Δ	.47	8.89	26.68	3,000	154.16/M	
15	200	35	MMBT5771CT-ND◆Δ	1.14	23.83	76.23	3,000	495.50/M	
20	50	60	MMBT81CT-ND◆Δ	.14	2.67	7.71	3,000	27.87/M	
25	200	60	MMBT1426FSCCT-ND◆Δ	.12	2.29	6.61	3,000	23.89/M	
30	1,200	10,000	MMBT1464FSCCT-ND◆Δ	.15	2.86	8.26	3,000	29.86/M	
40	600	20	MMBT4403FSCCT-ND◆Δ	.08	1.62	4.68	3,000	16.92/M	
40	200	30	MMBT3906FSCCT-ND◆Δ	.08	1.36	3.91	3,000	14.14/M	
40	800	35							