

ON Semiconductor™



Transistors (Cont.)



Fig.	V _{CEO} (V)	V _{CB} (V)	I _C (A)	HFE (Min.)	Pd (TA @ 25°C) (W)	Digi-Key Part No.	Pricing			Tape and Reel\$	
							1	10	100	Qty.	Pricing
TO-220 — RoHS Compliant											
4	100	100	5	1K	2	MJF122GOS-ND	1.17	10.37	81.95	—	—
TO-220AB — RoHS Compliant											
40	40	3	25	2	TIP31GOS-ND	.73	6.34	48.91	—	—	
60	60	2	1K	2	TIP110GOS-ND	1.05	9.27	71.49	—	—	
60	60	5	1K	2	TIP120GOS-ND	.89	7.78	60.01	—	—	
60	—	10	60	2	D44H8GOS-ND	1.37	12.10	95.61	—	—	
60	60	3	10	2	TIP31AGOS-ND	.70	6.10	47.05	—	—	
60	60	8	200	2	TIP100GOS-ND	1.12	9.94	78.54	—	—	
60	60	8	1K	75	2N6043GOS-ND	1.11	9.75	75.26	—	—	
60	60	10	100	2	2N6387GOS-ND	1.22	10.81	85.36	—	—	
60	70	10	20	75	MJE3055TGOS-ND	1.17	10.37	81.95	—	—	
60	70	15	5	1.8	2N6487GOS-ND	1.37	12.10	95.61	—	—	
70	80	7	30	40	2N6292GOS-ND	1.22	10.81	85.36	—	—	
80	80	1	15	2	TIP29BGOS-ND	.76	6.71	51.73	—	—	
80	80	8	200	2	TIP101GOS-ND	1.12	9.94	78.54	—	—	
80	—	10	60	2	D44H11GOS-ND	1.37	12.10	95.61	—	—	
80	80	10	1K	2	2N6388GOS-ND	1.17	10.37	81.95	—	—	
80	80	5	1K	2	TIP121GOS-ND	.89	7.78	60.01	—	—	
80	80	3	25	2	TIP31BGOS-ND	.70	6.10	47.05	—	—	
80	90	15	20	1.8	2N6488GOS-ND	1.30	11.49	90.83	—	—	
80	—	15	35	83	D44VH10GOS-ND	1.37	12.10	95.61	—	—	
100	100	1	15	2	TIP29CGOS-ND	.76	6.71	51.73	—	—	
100	100	8	1K	75	2N6045GOS-ND	1.11	9.75	75.26	—	—	
100	100	5	1K	2	TIP122GOS-ND	.83	7.25	55.88	—	—	
100	100	8	1K	2	TIP102GOS-ND	1.12	9.99	78.90	—	—	
100	100	3	25	2	TIP31CGOS-ND	.80	6.69	50.17	—	—	
100	100	6	30	2	TIP41CGOS-ND	.98	8.54	65.87	—	—	
100	100	8	750	—	BDX33GOS-ND	1.27	11.23	88.79	—	—	
100	100	10	750	—	BDX33CGOS-ND	1.27	11.23	88.79	—	—	
100	100	15	250	—	BDW42GOS-ND	1.27	11.23	88.79	—	—	
150	150	8	40	—	MJE15028GOS-ND	1.56	13.83	109.26	—	—	
150	150	8	20	2	MJE15030GOS-ND	1.72	15.24	120.41	—	—	
200	400	7	—	60	BU406GOS-ND	1.81	15.99	126.34	—	—	
250	250	8	70	8	MJE15032GOS-ND	1.66	14.69	116.10	—	—	
250	350	1	10	—	TIP47GOS-ND	1.09	9.52	73.39	—	—	
300	400	1	10	—	TIP48GOS-ND	1.09	9.52	73.39	—	—	
350	350	4	100	2	MJE15034GOS-ND	1.65	14.61	115.47	—	—	
400	—	4	10	2	MJE13005GOS-ND	1.10	9.66	74.51	—	—	
400	—	8	8	80	MJE13007GOS-ND	1.27	11.23	88.79	—	—	
400	—	12	8	2	MJE13009GOS-ND	1.60	14.26	112.69	—	—	
400	—	8	50	2	MJE5742GOS-ND	2.19	19.78	159.00	—	—	
400	—	5	10	75	BUL45GOS-ND	1.31	11.67	92.20	—	—	
400	700	5	10	—	BUL45D2GOS-ND	1.60	14.26	112.69	—	—	
400	500	1	30	2	TIP50GOS-ND	1.09	9.52	73.39	—	—	
450	—	2	30	50	BUX85GOS-ND	1.08	9.50	75.12	—	—	
450	—	5	6	75	MJE18004GOS-ND	1.37	12.10	95.61	—	—	
450	—	8	5	1	MJE18008GOS-ND	1.90	17.17	137.98	—	—	
TO-220FP — RoHS Compliant											
4	80	—	10	40	2	MJF44H11GOS-ND	2.03	18.34	147.38	—	—
100	100	10	100	2	MJF6388GOS-ND	2.03	18.34	147.38	—	—	
150	150	8	2	2	MJF15030GOS-ND	2.03	18.34	147.38	—	—	
TO-225 — RoHS Compliant											
80	80	4	750	—	MJE803GOS-ND	.79	6.83	52.69	—	—	
100	100	2	500	1.5	MJE270GOS-ND	.75	6.59	50.81	—	—	
200	200	0.5	30	—	MJE344GOS-ND	.73	6.34	48.91	—	—	
350	450	0.3	15	—	MJE3439GOS-ND	.73	6.34	48.91	—	—	
400	—	1.5	5	1.4	MJE13003GOS-ND	.65	5.52	41.41	—	—	
TO-225AA — RoHS Compliant											
25	40	5	70	1.5	MJE200GOS-ND	.80	6.69	50.17	—	—	
40	40	1	40	30	2N4921GOS-ND	.83	7.22	55.69	—	—	
40	40	4	10	—	2N5190GOS-ND	1.00	8.78	67.73	—	—	
40	60	3	12	12.5	MJE180GOS-ND	.80	6.69	50.17	—	—	
45	45	1.5	25	1.25	BD135GOS-ND	.70	6.10	47.05	—	—	
60	60	1.5	25	1.25	BD137GOS-ND	.70	6.10	47.05	—	—	
60	60	1	40	30	2N4922GOS-ND	.83	7.22	55.69	—	—	
60	60	4	25	40	2N5191GOS-ND	1.00	8.78	67.73	—	—	
60	60	4	750	40	MJE800GOS-ND	.79	6.83	52.69	—	—	
60	60	4	500	1.5	2N6038GOS-ND	.94	8.29	63.97	—	—	
60	80	3	12	12.5	MJE181GOS-ND	.80	6.69	50.17	—	—	
80	80	1	40	30	2N4923GOS-ND	.83	7.22	55.69	—	—	
80	80	4	20	40	2N5192GOS-ND	.89	7.81	60.20	—	—	
80	80	4	750	40	MJE802GOS-ND	.79	6.83	52.69	—	—	
80	80	4	500	1.5	2N6039GOS-ND	.94	8.29	63.97	—	—	

Fig.	V _{CEO} (V)	V _{CB} (V)	I _C (A)	HFE (Min.)	Pd (TA @ 25°C) (W)	Digi-Key Part No.	Pricing			Tape and Reel\$	
							1	10	100	Qty.	Pricing
TO-247 — RoHS Compliant											
6	230	230	15	12	—	MJW3281AGOS-ND	4.10	36.58	300.00	—	—
250	400	16	8	—	MJW21194GOS-ND	4.87	43.48	356.57	—	—	
TO-264/TO-3PBL — RoHS Compliant											
7	200	200	15	25	200	MJL3281AGOS-ND	4.49	40.07	328.57	—	—
250	400	16	25	200	MJL21196GOS-ND	5.34	47.69	391.07	—	—	
250	400	16	25	200	MJL21194GOS-ND	5.66	50.50	414.08	—	—	
350	350	15	80	230	MJL4281AGOS-ND	7.01	63.12	519.00	—	—	
SOT-23 — RoHS Compliant											
12	12	2.0	200	.54	NSS12201LT1GOSCT-ND	.74	5.93	44.44	3,000	208.73/M	
15	30	.05	20	.225	MMBT918LT1GOSCT-ND	.70	4.70	22.11	3,000	65.09/M	
15	40	0.2	40	.225	MMBT2369LT1GOSCT-ND	.48	3.28	15.42	3,000	44.89/M	
15	40	0.2	40	.225	MMBT2369ALT1GOSCT-ND	.48	3.28	15.42	3,000	44.89/M	
20	20	2.0	200	.46	NSS20201LT1GOSCT-ND	.74	5.93	44.44	3,000	208.73/M	
25	30	.05	450	.225	MMBT5089LT1GOSCT-ND	.49	3.36	15.80	3,000	46.01/M	
25	30	—	60	.225	MMBT10LT1GOSCT-ND	.70	4.70	22.11	3,000	65.09/M	
30	60	0.6	50	.225	MMBT2222LT1GOSCT-ND	.44	2.84	12.37	3,000	33.67/M	
30	35	0.5	350	.225	MMBT5088LT1GOSCT-ND	.46	3.13	14.75	3,000	43.77/M	
30	30	0.3	5K	.225	MMBT13LT1GOSCT-ND	.48	3.28	15.42	3,000	44.89/M	
30	30	0.3	10K	.225	MMBT14LT1GOSCT-ND	.48	3.28	15.42	3,000	44.89/M	
30	30	0.1	110	.225	BC848LT1GOSCT-ND	.43	2.82	12.34	3,000	33.06/M	
30	30	0.1	200	.225	BC848BLT1GOSCT-ND	.44	2.84	12.37	3,000	33.39/M	
30	30	0.1	420	.225	BC848CLT1GOSCT-ND	.45	2.93	12.73	3,000	34.36/M	
40	75	0.6	50	.225	MMBT2222ALT1GOSCT-ND	.39	2.57	11.15	3,000	30.30/M	
40	75	0.6	35	.225	MMBT2222ALT3GOSCT-ND	.31	2.09	9.09	10,000	17.96/M	
40	60	0.2	70	.225	MMBT3904LT1GOSCT-ND	.38	2.51	10.91	3,000	29.18/M	
40	60	0.2	—	.225	MMBT3904LT3GOSCT-ND	.38	2.51	10.91	10,000	21.33/M	
40	60	0.6	40	.225	MMBT4401LT1GOSCT-ND	.39	2.57	11.15	3,000	30.30/M	
40	40	0.5	10K	.225	MMBT642LT1GOSCT-ND	.59	4.06	19.10	3,000	56.11/M	
40	40	2.0	180	.46	NSS40201LT1GOSCT-ND	.74	5.93	44.44	3,000	208.73/M	
45	55	0.2	500	.225	MMBT6429LT1GOSCT-ND	.59	4.06	19.10	3,000	56.11/M	
45	50	0.5	100	.225	BC817-16LT1GOSCT-ND	.46	3.04	13.21	3,000	35.67/M	
45	50	0.5	160	.225	BC817-25LT1GOSCT-ND	.42	2.76	12.00	3,000	32.39/M	
45	50	0.5	250	.225	BC817-40LT1GOSCT-ND	.42	2.76	12.00	3,000	32.39/M	
45	50	0.5	100	.225	BCX19LT1GOSCT-ND	.54	3.65	17.17	3,000	50.43/M	
45	50	0.1	110	.225	BC847ALT1GOSCT-ND	.43	2.82	12.34	3,000	33.06/M	
45	50	0.1	200	.225	BC847BLT1GOSCT-ND	.44	2.84	12.37	3,000	33.39/M	
45	50	0.1	420	.225	BC8						