

ON Semiconductor™



Transistors (Cont.)



Fig.	VCEO (V)	VCB (V)	IC (A)	HFE (Min.)	Pd (TA @ 25°C) (W)	Digi-Key Part No.	Pricing			Tape and Reel\$		
							1	10	100	Qty.	Pricing	
SOT-363/SC-88 — RoHS Compliant												
11	40	60	0.2	70	.150	MBT3904DW1T1GOSCT-ND	.56	3.79	17.84	3,000	52.40/M	
	45	50	0.1	200	.38	BC847BDW1T1GOSCT-ND	.62	4.16	19.59	3,000	57.23/M	
	65	80	0.1	—	.38	BC846BDW1T1GOSCT-ND	.62	4.16	19.59	3,000	57.23/M	
SC-75/SOT-416 — RoHS Compliant												
13	45	50	0.1	200	.200	BC847BTT1GOSCT-ND	.44	2.84	12.37	3,000	33.39/M	
	40	60	0.2	—	.200	MMBT3904TT1GOSCT-ND	.44	2.90	12.60	3,000	33.67/M	
	40	75	0.6	35	.150	MMBT2222ATT1GOSCT-ND	.44	2.90	12.60	3,000	33.67/M	
	50	50	0.1	35	.200	DTC114EET1GOSCT-ND	.46	3.04	13.21	3,000	35.91/M	
DPAK — RoHS Compliant												
14	25	40	5	10	1.4	MJD200GOS-ND	.76	6.71	51.73	—	—	
	25	40	5	70	1.4	MJD200T4GOSCT-ND	.84	7.28	57.49	2,500	278.30/M	
	60	70	10	5	1.75	MJD3055GOS-ND	1.10	9.66	74.51	—	—	
	80	—	8	40	1.75	MJD44H11GOS-ND	.80	6.98	53.83	—	—	
	80	—	8	60	1.75	MJD44H11T4GOSCT-ND	.88	7.57	59.81	2,500	289.52/M	
	100	100	2	200	1.75	MJD112GOS-ND	.74	6.44	49.67	—	—	
	100	100	2	500	1.75	MJD112T4GOSCT-ND	.81	6.99	55.19	2,500	267.08/M	
	100	100	3	10	1.56	MJD31CT4GOSCT-ND	.84	6.74	50.59	2,500	237.90/M	
	100	100	3	10	1.56	MJD31CGOS-ND	.73	6.13	46.00	—	—	
	100	100	8	1K	1.75	MJD122T4GOSCT-ND	.81	6.99	55.19	2,500	267.08/M	
	100	100	8	100	1.75	MJD122GOS-ND	.74	6.44	49.67	—	—	
	250	350	1	10	1.56	MJD47GOS-ND	.89	7.78	60.01	—	—	
250	350	1	10	1.56	MJD47T4GOSCT-ND	.98	8.45	66.68	2,500	322.06/M		
300	300	0.5	30	1.56	MJD340GOS-ND	.74	6.44	49.67	—	—		
300	300	0.5	30	1.56	MJD340T4GOSCT-ND	.81	6.99	55.19	2,500	267.08/M		
400	500	1	10	1.56	MJD50GOS-ND	.89	7.78	60.01	—	—		
400	500	1	10	1.56	MJD50T4GOSCT-ND	.98	8.45	66.68	2,500	322.06/M		
DPAK-3 — RoHS Compliant												
15A	80	—	8	40	1.75	MJD44H11-1GOS-ND	.98	8.58	66.23	—	—	
	100	100	2	200	1.75	MJD112-1GOS-ND	.83	7.25	55.88	—	—	
15B	100	100	4	15	1.4	MJD243GOS-ND	.90	7.86	60.60	—	—	
	100	100	4	15	1.4	MJD243T4GOSCT-ND	.99	8.53	67.33	2,500	325.43/M	
DZPAK — RoHS Compliant												
16	80	—	10	40	2	MJB44H11GOS-ND	1.56	13.83	109.26	—	—	
	100	100	6.0	15	2	MJB41CGOS-ND	1.30	11.48	90.73	—	—	
3-WDFN — RoHS Compliant												
17	12	12	5	200	.875	NSS12501UW3T2GOSCT-ND	.99	8.87	70.39	3,000	357.97/M	
	20	20	5	180	.875	NSS20501UW3T2GOSCT-ND	1.16	10.30	81.81	3,000	424.18/M	
	40	40	5	180	.875	NSS40501UW3T2GOSCT-ND	1.16	10.30	81.81	3,000	424.18/M	
1206A ChipFET — RoHS Compliant												
18	12	12	6	200	.830	NSS12601CF8T1GOSCT-ND	.99	8.53	67.33	3,000	325.43/M	
	20	20	6	200	.830	NSS20601CF8T1GOSCT-ND	.99	8.53	67.33	3,000	325.43/M	
	40	40	6	200	.830	NSS40601CF8T1GOSCT-ND	.85	7.33	57.84	3,000	264.83/M	
SOT-963 — RoHS Compliant												
21	40	60	0.2	30	.240	NST3904DP6T5GOSCT-ND	.64	4.60	27.63	8,000	83.04/M	
	45	50	0.1	200	.240	NST847BDP6T5GOSCT-ND	.64	4.60	27.63	8,000	83.04/M	
Dual SOT-1123 — RoHS Compliant												
22	40	60	0.2	30	.290	NST3904F3T5GOSCT-ND	.53	3.77	22.61	8,000	67.33/M	
	45	50	0.1	200	.290	NST847BF3T5GOSCT-ND	.53	3.77	22.61	8,000	67.33/M	
PNP												
TO-3 — RoHS Compliant												
1	60	60	25	35	200	2N5883GOS-ND	4.24	37.87	310.56	—	—	
	60	70	15	5	—	MJ2955GOS-ND	3.20	28.91	232.29	—	—	
	80	80	25	35	200	2N5884GOS-ND	4.52	40.42	331.43	—	—	
	80	80	50	15	300	2N5884GOS-ND	9.54	85.85	705.84	—	—	
	100	100	20	100	—	2N6287GOS-ND	4.56	40.68	333.56	—	—	
	100	100	12	750	150	2N6052GOS-ND	4.56	40.68	333.56	—	—	
	90	100	30	25	—	MJ4502GOS-ND	4.47	39.84	326.66	—	—	
	120	120	30	1K	200	MJ11015GOS-ND	4.56	40.68	333.56	—	—	
	120	200	15	—	180	MJ15016GOS-ND	3.41	30.79	247.44	—	—	
	120	120	50	400	—	MJ11033GOS-ND	10.46	94.08	773.52	—	—	
	140	140	20	25	250	MJ15004GOS-ND	4.40	39.28	322.06	—	—	
	200	350	16	15	250	MJ15023GOS-ND	5.12	45.73	374.97	—	—	
	250	250	15	100	—	MJ11021GOS-ND	6.62	59.63	490.27	—	—	
	250	400	16	15	250	MJ15025GOS-ND	5.12	45.73	374.97	—	—	
	250	400	16	25	250	MJ21193GOS-ND	5.12	45.73	374.97	—	—	
	250	400	16	25	250	MJ21195GOS-ND	4.40	39.28	322.06	—	—	
	TO-92 — 1.0mm Pitch — RoHS Compliant											
	2A	40	40	—	250	.625	MPS4250GOS-ND	.59	4.04	18.84	—	—
40		40	0.2	60	.625	2N3906GOS-ND	.57	3.79	16.48	—	—	
40		40	0.6	30	.625	2N4403GOS-ND	.43	2.90	13.49	—	—	
40		50	1	50	1	MPSW51AGOS-ND	.45	3.50	24.01	—	—	
60		80	2	40	.625	MPS751GOS-ND	.49	3.50	22.98	—	—	
50		50	0.05	250	.625	2N5087GOS-ND	.55	3.76	17.56	—	—	
60		60	0.6	50	.625	MPS2907AGOS-ND	.53	3.58	16.72	—	—	

Fig.	VCEO (V)	VCB (V)	IC (A)	HFE (Min.)	Pd (TA @ 25°C) (W)	Digi-Key Part No.	Pricing			Tape and Reel\$	
							1	10	100	Qty.	Pricing
2A	60	60	0.5	100	.625	MPSA55GOS-ND	.55	3.78	17.64	—	—
	80	80	0.5	100	.625	MPSA56GOS-ND	.55	3.78	17.64	—	—
	150	160	0.6	40	.625	2N5401GOS-ND	.55	3.76	17.56	—	—
	300	300	0.5	25	.625	MPSA92GOS-ND	.65	4.42	20.61	—	—
TO-92 — 2.5mm Pitch — RoHS Compliant											
2B	40	40	0.2	100	.625	2N3906RL1GOSCT-ND	.57	3.79	16.48	2,000	44.89/M
	40	40	0.2	80	.250	2N3906RLRAGOSCT-ND	.57	3.79	16.48	2,000	44.51/M
	40	40	0.2	60	.625	2N3906RLRPGOSCT-ND	.57	3.79	16.48	2,000	44.89/M
	40	40	0.6	60	.625	2N4403RLRAGOSCT-ND	.48	3.28	15.42	2,000	45.28/M
	60	60	0.5	100	.625	MPSA55RLRAGOSCT-ND	.63	4.29	20.17	2,000	59.48/M
	60	60	0.6	100	.625	PN2907ARLRAGOSCT-ND	.42	2.81	13.21	—	—
	60	60	0.6	100	.625	MPS2907ARLRAGOSCT-ND	.59	4.06	19.10	2,000	56.11/M
	60	80	2	40	.625	MPS751RLRAGOSCT-ND	.55	3.92	26.12	2,000	94.26/M
	80	80	0.5	100	.625	MPSA56RLRMGOSCT-ND	.63	4.29	20.17	2,000	59.23/M
	80	80	0.5	100	.625	MPS8599RLRAGOSCT-ND	.49	3.57	21.40	—	—
	150	160	0.6	50	.625	2N5401RLRAGOSCT-ND	.63	4.26	20.08	2,000	58.97/M
	300	300	0.5	25	.625	MPSA92RLRAGOSCT-ND	.74	5.00	23.55	2,000	69.58/M
300	300	0.5	25	1	MPSW92RLRAGOSCT-ND	.71	5.04	33.58	2,000	121.20/M	
350	350	0.5	20	.625	2N6520RLRAGOSCT-ND	.52	4.08	27.93	2,000	117.83/M	
TO-218 — RoHS Compliant											
3	60	60	25	15	—	TIP36AGOS-ND	3.37	30.44	244.60	—	—
	60	100	15	5	—	TIP2955GOS-ND	2.17	19.51	156.80	—	—
	100	100	20	100	—	MJH6287GOS-ND	5.23	46.66	382.58	—	—
	150	150	15	100	—	MJH11017GOS-ND	4.76	42.51	348.57	—	—
	160	160	16	8	—	MJE4353GOS-ND	4.68	41.81	342.85	—	—
	250	250	15	100	—	MJH11021GOS-ND	5.15	46.00	377.15	—	—
TO-218AC — RoHS Compliant											
3	100	100	10	1K	3.5	TIP147GOS-ND	2.38	21.47	172.48	—	—
	100	100	25	25	125	TIP36CGOS-ND	3.37	30.44	244.60	—	—
TO-220AB — RoHS Compliant											
4	30	40	7	30	40	2N6111GOS-ND	1.31	11.67	92.20	—	—
	40	40	6	15	2	TIP42GOS-ND	.94	8.29	63.97	—	—
	50	60	7	30	40	2N6109GOS-ND	1.31	11.67	92.20	—	—
	60	60	3	25	2	TIP32AGOS-ND	.70	6.10	47.05	—	—
	60	60	5	1K	2	TIP125GOS-ND	1.11	9.75	75.26	—	—
	60	60	8	1K	75	2N6040GOS-ND	1.03	9.16	72.39	—	—
	60	60	10	1K	2	2N6667GOS-ND	1.31	11.67	92.20	—	—
	60	—	10	60	50	D45H8GOS-ND	1.37	12.10	95.61	—	—
	60	70	10</								