

DIODE TRANSISTOR CO., INC.

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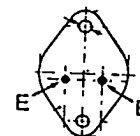
Ic(MAX) 1.0 to 7.0A

VCE(SUS) = 35 to 400V

Fr = .75 to 50 MHz

Type#	PNP Complement	VCE(SUS) (Volts)	Ic Max	hFE @ Ic/VCE (Min-Max @ A/V)	VCE(SAT) @ Ic/Ib (V @ A/A)	VBE @ Ic/VCE (V @ A/V)	ICEV @ VCE (mA @ V)	Pd @ Tc = 25°C (Watts)	IS/b @ VCE T = 1sec (A @ V)	fr (MHz)	ton @ Ic/Ib (s @ A/A)	toff @ Ic/Ib (s @ A/A)
2N5427		80	7.0	30-120 @ 2/2	1.2 @ 7/7	1.2 ³ @ 2/2	.01 @ 75	40	5 @ 8	30	.2 @ 2/2	2.2 @ 2/2
2N5428		80	7.0	60-240 @ 2/2	1.2 @ 7/7	1.2 ³ @ 2/2	.01 @ 75	40	5 @ 8	30	.2 @ 2/2	2.2 @ 2/2
2N5429		100	7.0	30-120 @ 2/2	1.2 @ 7/7	1.2 ³ @ 2/2	.01 @ 90	40	5 @ 8	30	.1 @ 2/2	2.2 @ 2/2
2N5430		100	7.0	60-240 @ 2/2	1.2 @ 7/7	1.2 ³ @ 2/2	.01 @ 90	40	5 @ 8	30	.2 @ 2/2	2.2 @ 2/2
2N4296		250	1.0	50-150 @ .05/10	.9 @ .05/.005	.9 @ 1/10	.1 ³ @ 350	20		20	7 @ .1/.01	10 @ .1/.01
2N4297		250	1.0	75-300 @ .05/10	.75 @ .05/.005	.9 @ 1/10	.1 ³ @ 500	20		20	7 @ .1/.01	10 @ .1/.01
2N4298		350	1.0	25-75 @ .05/10	.9 @ .05/.005	.9 @ 1/10	.1 ³ @ 500	20		20	7 @ .1/.01	10 @ .1/.01
2N4299		350	1.0	50-150 @ .05/10	.75 @ .05/.005	.9 @ 1/10	.1 ³ @ 500	20		20	7 @ .1/.01	10 @ .1/.01
2N3583	2N6211	250 (VCE)	1.0	40-200 @ .5/10	5 @ 1/.125	1.4 @ 1.0/10	1.0 @ 225	35	.35 @ 100	10	3 @ 1.0/1	7 @ 1.0/1
2N3584	2N6212	300 (VCE)	5.0	25-100 @ 1/10	.75 @ 1.0/.125	1.4 ³ @ 1/1	1.0 @ 300	35	.35 @ 100	10	3 @ 1.0/1	7 @ 1.0/1
2N3585	2N6213	400 (VCE)	5.0	25-100 @ 1/10	.75 @ 1.0/.125	1.4 ³ @ 1/1	1.0 @ 400	35	.35 @ 100	10	3 @ 1.0/1	7 @ 1.0/1
2N3738		225	.25	40-200 @ .1/10	2.5 @ .1/.025	1 @ .1/10	.5 @ 250	20	.2 @ 100	10		
2N3739		300	.25	40-200 @ .1/10	2.5 @ .25/.025	1 @ 1/10	.5 @ 300	20	.2 @ 100	10		
2N4240		400 (VCE)	5.0	30-150 @ .75/10	1 @ .75/.075	1.8 ³ @ .75/.075	2 @ 400	35	.35 @ 100	15	.5 @ .75/.075	9 @ .75/.075
40313		300 (VCE)	2.0	4 @ .5/10	—	1.5 @ .1/10	10 @ 300	35	.15 @ 150			
40318		300 (VCE)	2.0	50 @ .5/10	—	1.5 @ .5/10	5 @ 150	35	.10 @ 150			
40322		300 (VCE)	2.0	75 @ .5/10	—	—	10 @ 150	35	.10 @ 150			
40328		300 (VCE)	2.0	20 @ 1/10	—	1.5 @ .1/10	10 @ 150	35	.10 @ 150			
40850		400 (VCE)	2.0	25 @ .75/10	2 @ 2/.4	2 ³ @ 2/.4	.2 @ 2/.4	35	.35 @ 100			
2N5660		200	1.0	40-120 @ .5/5	.4 @ 1/1	1.2 ³ @ 1/1	.001 ³ @ 250	35		20	.25 @ .5/.015	.85 @ .5/.015
2N5661		300	1.0	25-75 @ .5/5	.4 @ 1/1	1.2 ³ @ 1/1	.001 ³ @ 400	35		20	.25 @ .5/.025	1.2 @ .5/.015
2N6077		275	7.0	12-70 @ 1.2/1	.5 @ 1.2/2	1.9 ³ @ 3/6	5 @ 250	45	.9 @ 50	1.0	.75 @ 1.2/2	5.75 @ 1.2/2
2N6078		250	7.0	12-70 @ 1.2/1	.5 @ 1.2/2	2 ³ @ 5/1	.05 @ 250	45	.9 @ 50	1.0	.75 @ 1.2/2	5.75 @ 1.2/2
2N6079		350	7.0	12-50 @ 1.2/1	.5 @ 1.2/2	2 ³ @ 4/8	.5 @ 450	45	.9 @ 50	1.0	.75 @ 1.2/2	5.75 @ 1.2/2
2N6233		225	5.0	25-125 @ 1/5	.5 @ 1/1	1 @ 1/5	.1 ³ @ 250	50	1.1 @ 45	20	.5 @ 1/1	4 @ 1/1
2N6234		275	5.0	25-125 @ 1/5	.5 @ 1/1	1 @ 1/5	.1 ³ @ 300	50	1.1 @ 45	20	.5 @ 1/1	4 @ 1/1
2N6235		325	5.0	25-125 @ 1/5	.5 @ 1/1	1 @ 1/5	.1 ³ @ 350	50	1.1 @ 45	20	.5 @ 1/1	4 @ 1/1
40851		350	7.0	12 @ 1.1/1	3 @ 4/8	2 ³ @ 4/8	.5 @ 450	45	.9 @ 50			
2N5468		400	3.0	15-60 @ 3/5	.5 @ 3/6	1.5 ³ @ 3/6	.25 @ 500	70	.875 @ 80	2.5		
2N5469		400	3.0	15-60 @ 3/5	.5 @ 3/6	1.5 ³ @ 3/6	.25 @ 700	70	.875 @ 80	2.5		
2N5664		200	3.0	40-120 @ 1/5	.4 @ 3/3	1.2 ³ @ 3/3	.001 ³ @ 250	52.5		20	.25 @ 1/.03	1.5 @ 1/.03
2N5665		300	3.0	40-120 @ 1/5	.4 @ 3/6	1.2 ³ @ 3/6	.00 ³ @ 400	52.5		20	.25 @ 1/.05	2 @ 1/.05

TO-3

E - EMITTER
B - BASE
C - COLLECTOR

Ic CONT (A) Max	Vceo (V)	VceV (V)	DAR- LING- TON	SWITCH- ING	DEVICE TYPE		hfe @ Ic		RESISTIVE SWITCHING			fr Min	Pd (Case)
					NPN	PNP	Min/Max	(A)	ts Max (μ sec)	t Max (μ sec)	Ic (A)	(MHz)	Watts @ 25°C
3	250			✓	2N5838		8/40	3	1 TYP	0.4 TYP	3	5	100
	275			✓	2N5839		10/50	2	1 TYP	0.4 TYP	3	5	100
	350			✓	2N5840		10/50	2	1 TYP	0.4 TYP	3	5	100
3.5	325			✓	2N3902		30/90	1	1.2 TYP	0.1 TYP	1	2.8	100
5	300	650②		✓	2N6542		7/35	3	4	0.8	3	6	100
	400	850②		✓	2N6543		7/35	3	4	0.8	3	6	100
	400	850②			BUX46		5 Min	2.5	3	0.8	2.5		85
6	300	750②		✓	BU126		10 Min	2.5	1 TYP	0.15 TYP	2.5		75
	350	750②		✓	BUX97		10/70	1	5 TYP	1 TYP	1		60
	375	800②		✓	BU326		25 TYP	1	3.5	0.5	2.5		75
	400	800②		✓	BUX82		15 TYP	2.5	3.5	0.5	2.5		60
	400	800②		✓	BUX97A		10/70	1	5 TYP	1 TYP	1		60
	400	800②		✓	BU326S		3.5 Min	4	1.8	0.3	2.5	20 TYP	60
	400	900②		✓	BU326A		25 TYP	1	3.5	0.5	2.5		75
	450	800②		✓	BUX97B		10/70	1	5 TYP	1 TYP	1		60