

germanium power transistors



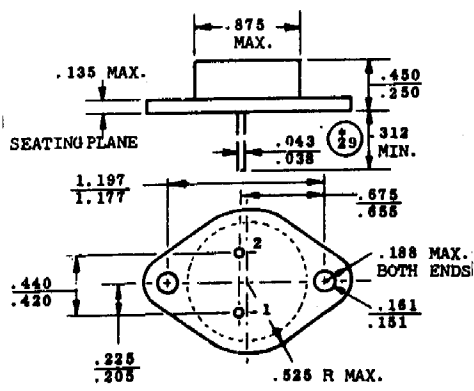
PNP TO-3 (cont'd)

$I_{C(MAX)} = 3 \text{ to } 25A$

$V_{CEO(SUS)} = 20 \text{ to } 100V$

Type #	NPN Complement	$V_{CEO(SUS)}$ (Volts)	V_{CEO} (Volts)	I_{CS} @ I_C/V_{CS} (Min-Max @ A/V)	$V_{CE(SAT)}$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CS} (V @ A/V)	I_{CV} @ V_{CS} (mA @ V)	P_D @ $T_c = 25^\circ C$ (Watts)	θ_{JC} ($^\circ C/W$)	$T_J(MAX)$ ($^\circ C$)	f_T (KHz)	Generic Product	General Information		
2N456A		20	20	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @40	50	1.5	100	200	2N456A Family, 7 Amp PNP Germanium Alloy Power Transistors. Case 280	General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage.		
2N456B		30	30	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @40	150	0.5	100	200				
2N457A		30	20	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @60	50	1.5	100	200				
2N457B		40	30	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @80	150	0.5	100	200				
2N458A		40	20	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @80	50	1.5	100	200				
2N458B		45	30	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @80	150	0.5	100	200				
2N1021A		50	30	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @100	150	0.5	100	200				
2N1022A		55	30	30-90@5/1.5	.5@5/5	1.5@5/1.5	2 ² @120	150	0.5	100	200				
2N627		30(V_{CES})	20	10-30@10/2	1@10/1		20 ² @40	94	0.8	100		2N627 Family, 10 Amp PNP Germanium Alloy Power Transistors. Case 280	General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage.		
2N628		45(V_{CES})	30	10-30@10/2	1@10/1		20 ² @60	94	0.8	100					
2N629		60(V_{CES})	40	10-30@10/2	1@10/1		20 ² @80	94	0.8	100					
2N1549 ²		20	20	10-30@10/2	1@10/1	1.3 ³ @10/1	20 ² @40	94	0.8	100		2N1549 Family, 15 Amp PNP Germanium Alloy Power Transistors. Case 280	High Current General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage.		
2N1550 ²		30	30	10-30@10/2	1@10/1	1.3 ³ @10/1	20 ² @60	94	0.8	100					
2N1551 ²		40	40	10-30@10/2	1@10/1	1.3 ³ @10/1	20 ² @80	94	0.8	100					
2N1552 ²		50	50	10-30@10/2	1@10/1	1.3 ³ @10/1	20 ² @100	94	0.8	100					
2N1553 ²		20	20	30-60@10/2	.7@10/1	1 ³ @10/1	20 ² @40	94	0.8	100					
2N1554 ²		30	30	30-60@10/2	.7@10/1	1 ³ @10/1	20 ² @60	94	0.8	100					
2N1555 ²		40	40	30-60@10/2	.7@10/1	1 ³ @10/1	20 ² @80	94	0.8	100					
2N1556 ²		50	50	30-60@10/2	.7@10/1	1 ³ @10/1	20 ² @100	94	0.8	100					
2N1557 ²		20	20	50-100@10/2	.5@10/1	.7 ³ @10/1	20 ² @40	94	0.8	100					
2N1558 ²		30	30	50-100@10/2	.5@10/1	.7 ³ @10/1	20 ² @60	94	0.8	100					
2N1559 ²		40	40	50-100@10/2	.5@10/1	.7 ³ @10/1	20 ² @80	94	0.8	100					
2N1560 ²		50	50	50-100@10/2	.5@10/1	.7 ³ @10/1	20 ² @100	94	0.8	100					
2N1162		25	20	15-65@25/1	1@25/1.6	1.7 ³ @25/1.6	15 ² @50	94	0.8	100				2N1162 Family, 25 Amp PNP Germanium Alloy Power Transistors. Case 280	High Current General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage.
2N1162A		25	25	15-65@25/1	1@25/1.6	1.7 ³ @25/1.6	15 ² @50	94	0.8	100					
2N1164		35	25	15-65@25/1	1@25/1.6	1.7 ³ @25/1.6	15 ² @80	94	0.8	100					
2N1164A		40	40	15-65@25/1	1@25/1.6	1.7 ³ @25/1.6	15 ² @80	94	0.8	100					
2N1166		45	30	15-65@25/1	1@25/1.6	1.7 ³ @25/1.6	15 ² @100	94	0.8	100					
2N2266A		50	50	15-65@25/1	1@25/1.6	1.7 ³ @25/1.6	15 ² @100	94	0.8	100					

NOTES:
¹ I_{CO} @ V_{CS} (mA @ V)
² $V_{BE(SAT)}$ @ I_C/I_B (V @ A/A)
³ The "A-Version" (e.g. 2N1529A) is also readily available. It's a high-reliability version of the "non-A Version."



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.