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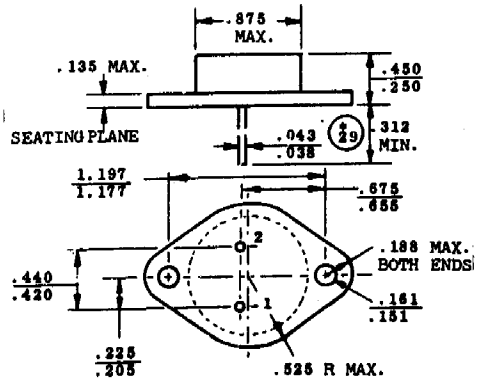
germanium power transistors

PNP TO-3 (cont'd)

$I_{C(MAX)}$ = 3 to 25A $V_{CEO(SUS)}$ = 20 to 100V

Type #	NPN Complement	$V_{CEO(SUS)}$ (Volts)	V_{EBO} (Volts)	h_{FE} @ I_C/V_{CE} (Min-Max @ A/V)	$V_{CE(SAT)}$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	I_{CEV} @ V_{CE} (mA @ V)	P_D @ T_C = 25°C (Watts)	θ_{JC} (°C/W)	$T_{J(MAX)}$ (°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]@60	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[5]		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[5]		30	30	10-30@10/2	1@10/1	1.3[3]@10/1	20[2]@60	94	0.8	100			
2N1551[5]		40	40	10-30@10/2	1@10/1	1.3[3]@10/1	20[2]@80	94	0.8	100			
2N1552[5]		50	50	10-30@10/2	1@10/1	1.3[3]@10/1	20[2]@100	94	0.8	100			
2N1553[5]		20	20	30-60@10/2	.7@10/1	1[3]@10/1	20[2]@40	94	0.8	100			
2N1554[5]		30	30	30-60@10/2	.7@10/1	1[3]@10/1	20[2]@60	94	0.8	100			
2N1555[5]		40	40	30-60@10/2	.7@10/1	1[3]@10/1	20[2]@80	94	0.8	100			
2N1556[5]		50	50	30-60@10/2	.7@10/1	1[3]@10/1	20[2]@100	94	0.8	100			
2N1557[5]		20	20	50-100@10/2	.5@10/1	.7[3]@10/1	20[2]@40	94	0.8	100			
2N1558[5]		30	30	50-100@10/2	.5@10/1	.7[3]@10/1	20[2]@60	94	0.8	100			
2N1559[5]		40	40	50-100@10/2	.5@10/1	.7[3]@10/1	20[2]@80	94	0.8	100			
2N1560[5]		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:
[2] I_{CBO} @ V_{CB} (mA @ V)
[3] $V_{BE(SAT)}$ @ I_C/I_B (V @ A/A)
[5] The "A-Version" (e.g. 2N1529A) is also readily available. It's a high-reliability version of the "non-A Version."



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