

# PNP Germanium Transistors

## PNP Germanium AF Alloy Transistors in TO1 metal case

Common Characteristics	$f_T$ ( $V_{CE} = 6V, I_C = 1mA$ ) 1 MHz						$C_{ob}$ ( $V_{CB} = 6V, I_E = 0$ ) 40 pF		* Low Noise Types	
	Type	Maximum ratings			Characteristics at $T_{amb} = 25^\circ C$					
	$BV_{CEO}$ V	$BV_{CBO}$ V	$BV_{EBO}$ V	$I_{CM}$ A	$P_{TOT}$ W	$T_{JM}$ $^\circ C$	$h_{FE}$ ( $V_{CE}/I_C$ ) (V/mA)	$V_{CE\ sat}$ ( $I_C/I_B$ ) V (mA/mA)	max $I_{CBO}$ ( $V_{CB}$ ) $\mu A$ (V)	
AC 107N*	—	15	5	—	0.08	75	35 ... 160 (5/0.3)	—	—	
ACY 27	20	40	30	—	0.2	90	20 ... 55 (12/1) <sup>1</sup>	<0.3 (20/1)	12 (30)	
ACY 28	15	40	30	—	0.2	90	45 ... 150 (12/1) <sup>1</sup>	<0.2 (20/0.6)	12 (30)	
ACY 29*	15	40	30	—	0.2	90	45 ... 150 (12/1) <sup>1</sup>	—	12 (30)	
ACY 30	20	40	40	—	0.2	90	60 ... 200 (12/1) <sup>1</sup>	<0.3 (125/4)	12 (30)	
ACY 31	—	40	20	—	0.2	90	35 ... 70 (12/1) <sup>1</sup>	<0.3 (20/1)	5 (12)	
ACY 34	10	30	10	—	0.2	90	20 ... 40 (12/1) <sup>1</sup>	—	12 (30)	
ACY 35	10	30	10	—	0.2	90	30 ... 75 (12/1) <sup>1</sup>	—	12 (30)	
ACY 36	16	32	10	—	0.2	90	30 ... 90 (0/80)	—	12 (30)	
ASY 50	10	20	20	—	0.2	90	15 ... 80 (0/5)	—	12 (20)	
OC 65	10	10	10	0.01	0.025	65	30 (2/4)	—	12 (4.5)	
OC 66	10	10	10	0.01	0.025	65	50 (2/4)	—	12 (4.5)	
OC 70	10	30	10	0.01	0.125	75	20 ... 40 (2/0.5) <sup>1</sup>	<0.33 (9/0.5)	13 (4.5)	
OC 71	10	30	10	0.01	0.125	75	41 (2/1) <sup>1</sup>	<0.21 (9/0.5)	13 (4.5)	
OC 72	16	32	10	0.125	0.125	75	45 ... 120 (5.4/10)	<0.3 (125/12.5)	10 (10)	
OC 73	16	32	20	0.01	0.125	75	30 ... 65 (10/0.5) <sup>1</sup>	<0.21 (9/0.5)	6 (4.5)	
OC 74	—	20	5	0.3	0.22	90	60 ... 150 (6/50)	<0.4 (300/30)	20 (9)	
OC 75	10	30	10	0.01	0.125	75	60 ... 130 (2/3) <sup>1</sup>	<0.21 (9/0.5)	14 (4.5)	
OC 76	16	32	10	0.125	0.125	75	>45 (5.4/10)	<0.3 (125/12.5)	10 (10)	
OC 77	15	60	10	0.125	0.125	75	>45 (5.4/10)	<0.3 (125/12.5)	10 (10)	
OC 78	—	20	10	0.2	0.2	90	>20 (1/125)	—	10 (10)	
OC 81DN	—	32	10	0.25	0.2	85	>20 (6/2)	—	10 (10)	
OC 81N	—	32	10	0.5	0.2	85	50 ... 250 (1.5/50)	—	10 (10)	
OC 83N	20	32	10	1.0	0.22	90	40 ... 200 (1/300)	<0.5 (300/9)	10 (10)	
OC 84N	20	32	10	1.0	0.22	90	50 ... 160 (1/300)	<0.5 (300/9)	10 (10)	
NKT 210	30	45	10	0.5	0.2	90	50 ... 150 (0/25)	<0.5 (300/30)	10 (10)	
NKT 211	30	32	10	1.0	0.2	90	50 ... 150 (0/300)	<0.5 (300/30)	10 (10)	
NKT 212	—	32	10	0.5	0.2	90	50 ... 150 (0/50)	<0.15 (50/5)	10 (10)	
NKT 213	—	32	10	0.25	0.2	90	50 ... 130 (4.5/1) <sup>1</sup>	<0.2 (25/2.5)	10 (10)	
NKT 214	—	32	10	0.25	0.2	90	30 ... 75 (4.5/1) <sup>1</sup>	<0.2 (25/2.5)	10 (10)	
NKT 215	—	32	10	0.25	0.2	90	15 ... 45 (4.5/1) <sup>1</sup>	<0.2 (25/2.5)	10 (10)	
NKT 216*	—	32	10	0.25	0.2	90	15 ... 45 (4.5/1) <sup>1</sup>	<0.2 (25/2.5)	10 (10)	
NKT 217	40	60	10	0.5	0.2	90	50 ... 150 (0/25)	<0.5 (300/6)	10 (10)	
NKT 218	—	32	10	1.0	0.2	90	50 ... 250 (0/300)	<0.5 (300/30)	10 (10)	
NKT 219	—	32	10	0.25	0.2	90	82 ... 250 (4.5/1) <sup>1</sup>	<0.2 (25/2.5)	10 (10)	
NKT 271	—	15	5	0.5	0.2	90	50 ... 250 (1.5/50)	—	10 (10)	
NKT 272	—	15	5	0.25	0.2	90	35 ... 90 (4.5/1) <sup>1</sup>	—	10 (10)	
NKT 273	—	15	5	0.5	0.2	90	>25 (1.5/200)	—	10 (10)	
NKT 274	—	15	5	0.25	0.2	90	82 ... 250 (4.5/1) <sup>1</sup>	—	10 (10)	
NKT 275	—	15	5	0.25	0.2	90	30 ... 90 (4.5/1) <sup>1</sup>	—	10 (10)	

<sup>1</sup>  $h_{fe}$  ( $f = 1kHz$ )

<sup>2</sup> For ' $V_{CE} = 0$ ' read ' $V_{CB} = 0$ '