

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		
	Maximum ratings						Characteristics at $T_{amb} = 25^\circ C$				
Type	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}) μA (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) ¹	<0.3 (20/1)	12 (30)		
ACY 28	15	40	30	—	0.2	90	45 ... 150 (12/1) ¹	<0.2 (20/0.6)	12 (30)		
ACY 29*	15	40	30	—	0.2	90	45 ... 150 (12/1) ¹	—	12 (30)		
ACY 30	20	40	40	—	0.2	90	60 ... 200 (12/1) ¹	<0.3 (125/4)	12 (30)		
ACY 31	—	40	20	—	0.2	90	35 ... 70 (12/1) ¹	<0.3 (20/1)	5 (12)		
ACY 34	10	30	10	—	0.2	90	20 ... 40 (12/1) ¹	—	12 (30)		
ACY 35	10	30	10	—	0.2	90	30 ... 75 (12/1) ¹	—	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) ¹	<0.33 (9/0.5)	13 (4.5)		
OC 71	10	30	10	0.01	0.125	75	41 (2/1) ¹	<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) ¹	<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) ¹	<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) ¹	<0.2 (25/2.5)	10 (10)		
NKT 214	—	32	10	0.25	0.2	90	30 ... 75 (4.5/1) ¹	<0.2 (25/2.5)	10 (10)		
NKT 215	—	32	10	0.25	0.2	90	15 ... 45 (4.5/1) ¹	<0.2 (25/2.5)	10 (10)		
NKT 216*	—	32	10	0.25	0.2	90	15 ... 45 (4.5/1) ¹	<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) ¹	<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) ¹	—	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) ¹	—	10 (10)		
NKT 275	—	15	5	0.25	0.2	90	30 ... 90 (4.5/1) ¹	—	10 (10)		

¹ h_{fe} ($f = 1kHz$)

² For ' $V_{CE} = 0$ ' read ' $V_{CB} = 0$ '