

## Germanium PNP Transistors

Type	Con- struction	P <sub>c</sub> Max. (mW)	Typical f <sub>T</sub> or *f <sub>1</sub> † fab (MHz)	Absolute Max. Ratings				Typical h <sub>FE</sub> at (mA) (or *h <sub>fe</sub> )	Max I <sub>CB0</sub> at V <sub>CB</sub>		Application	Base Ref.
				V <sub>CB0</sub> (V)	V <sub>CEO</sub> (V)	V <sub>EBO</sub> (V)	I <sub>C</sub> (mA)		μA	V		

### MULLARD

#### Replacement Types

ASY26	A	150	>4*	-30	—	—	300	100 at 20	3	5	} General purpose	2
ASY27	A	150	>6*	-25	—	—	300	100 at 20	3	5		2
2N1303	AJ	150	4.5†	-30	—	-25	300	50 at 10	—	—		2
2N1305	AJ	150	8†	-30	—	-25	300	70 at 10	—	—		2
2N1307	AJ	150	12†	-30	—	-25	300	100 at 10	—	—		2
2N1309	AJ	150	20†	-30	—	-25	300	150 at 10	—	—		2

#### Current Types

AC128	AJ	700	—	-32	-32	—	1A	90 at 300	10	10	Class A and B output	4
AC188	AJ	800	1.5	-25	-15	-10	1A	200 at 300	200	25	Audio	4
AD162	AJ	3W	1.5	-32	-32	-20	1A	150 at 500	20	10	Output stages	1
AD149	AJ	22.5W	0.5	-50	-50	-20	3.5A	65 at 1A	350	14	Class B output	1
OC25	AJ	22.5W	—	-40	-40	—	4A	50 at 1A	—	—	Gen. purpose power	1
OC20	AJ	30W	0.25†	-100	-75	—	8A	50 at 1A	—	—	High voltage, high gain	1
OC28	AJ	30W	—	-80	-60	—	10A	38 at 1A	100	0.5	} Switching	1
OC29	AJ	30W	—	-60	-48	—	10A	88 at 1A	100	0.5		1
OC35	AJ	30W	—	-60	-48	—	10A	50 at 1A	100	0.5		1
OC36	AJ	30W	—	-80	-60	—	10A	70 at 1A	100	0.5		1

### NEWMARKET

#### Current Types

OC65N	A	25	1	-10	-10	-10	10	30 at 4	12	4.5	} A. F.	4	
OC66N	A	25	1	-10	-10	-10	10	50 at 4	12	4.5		4	
NKT11	A	75	—	-18	-10	-12	100	155* at 1	5	6	} R. F. amplifiers	4	
NKT12	A	75	—	-18	-10	-12	100	110* at 1	5	6		4	
NKT72	A	75	—	-15	—	-10	10	130* at 1	5	6		4	
NKT73	A	75	—	-15	—	-10	10	75* at 1	5	6		4	
AC107N	A	80	1	-15	—	-5	—	95 at 0.3	—	—	} A. F.	4	
OC70N	A	125	1	-30	-10	-10	10	30 at 0.5	13	4.5		4	
OC71N	A	125	1	-30	-10	-10	10	41 at 1	13	4.5		4	
OC72N	A	125	1	-32	-16	-10	125	82 at 10	10	10		4	
OC73N	A	125	1	-32	-16	-20	10	48 at 0.5	6	4.5		4	
OC75N	A	125	1	-30	-10	-10	10	95 at 3	14	4.5		4	
OC76N	A	125	1	-32	-16	-10	125	45 at 10	10	10		4	
OC77N	A	125	1	-60	-15	-10	125	45 at 10	10	10		4	
2N1303	AJ	150	—	-30	-25	—	300	20† at 10	6	25		} R. F. switching	2
2N1305	AJ	150	—	-30	-20	—	300	120 at 10	6	25			2
2N1307	AJ	150	—	-30	-15	—	300	180 at 10	6	25	2		
2N1309	AJ	150	—	-30	-15	—	300	80† at 10	6	25	2		
ACY27	A	200	1	-40	-20	-30	—	32 at 1	12	30	} A. F.	4	
ACY28	A	200	1	-40	-15	-30	—	97 at 1	12	30		4	
ACY29	A	200	1	-40	-15	-30	—	97 at 1	12	30		4	
ACY30	A	200	1	-40	-20	-40	—	130 at 1	12	30		4	
ACY31	A	200	1	-40	—	-20	—	53 at 1	5	12		4	
ACY34	A	200	1	-30	-10	-10	—	30 at 1	12	30		4	
ACY35	A	200	1	-30	-10	-10	—	52 at 1	12	30		4	
ACY36	A	200	1	-32	-16	-10	—	60 at 80	12	30		4	
ACY50	A	200	1	-20	-10	-20	—	47 at 5	12	20		4	
NKT210	A	200	1	-45	-30	-10	500	100 at 25	10	10		4	
NKT211	J	200	1†	-32	—	-10	500	50† at 300	10	10	4		
NKT212	J	200	1†	-32	—	-10	125	50† at 25	10	10	4		
NKT213	J	200	1†	-32	—	-10	125	50† at 1	10	10	4		
NKT214	J	200	1†	-32	—	-10	125	30† at 1	10	10	4		
NKT215	J	200	1†	-32	—	-10	125	15†* at 1	10	10	4		
NKT216	J	200	1†	-60	—	-10	125	50† at 1	10	10	4		
NKT217	J	200	1†	-60	—	-10	125	50† at 25	10	10	4		
NKT218	J	200	1†	-60	—	-10	500	50† at 300	10	10	4		
NKT219	J	200	1†	-32	—	-10	125	85† at 1	10	10	4		
NKT271	J	200	1†	-15	—	-5	500	50† at 200	10	10	4		