



# Transistors

## Continued

Type	Constr	Outline	P <sub>tot</sub>	f <sub>α</sub>	V <sub>cbo</sub>	h <sub>fe</sub>	at I <sub>c</sub>	Notes	Price £
2N987	G/PNP	T018	100mW	100mc <sup>(2)</sup>	-40	40-250	1mA	VHF	0.30**
2N1131	S/PNP	T05	600mW	50mc <sup>(2)</sup>	-50	20-45	150mA	HF Ampl. and Switching	0.25*
2N1132	S/PNP	T05	600mW	60mc <sup>(2)</sup>	-50	30-90	150mA	Complem. to 2N697	0.25*
2N1146A	G/PNP	T03	90W	4kc <sup>(2)</sup>	-60	60-150	5A		1.75
2N1146B	G/PNP	T03	90W	4kc <sup>(2)</sup>	-80	60-150	5A		2.00
2N1184	G/PNP	T08	7.5W <sup>(5)</sup>	500kc <sup>(1)</sup>	-45	40-120	400mA	Ampl. and Switching	1.25*
2N1302	G/NPN	T05	150mW	10mc <sup>(2)</sup>	+25	50 <sup>(2)</sup>	10mA	Complementary transistors for Medium current medium speed logic and general industrial application	0.17***
2N1303	G/PNP	T05	150mW	5mc <sup>(2)</sup>	-30	50 <sup>(2)</sup>	10mA		0.17***
2N1304	G/NPN	T05	150mW	15mc <sup>(2)</sup>	+25	40-100	10mA		0.20*
2N1305	G/PNP	T05	150mW	10mc <sup>(2)</sup>	-30	40-100	10mA		0.20***
2N1306	G/NPN	T05	150mW	20mc <sup>(2)</sup>	+25	60-200	10mA		0.25***
2N1307	G/PNP	T05	150mW	15mc <sup>(2)</sup>	-30	60-200	10mA		0.25***
2N1308	G/NPN	T05	150mW	30mc <sup>(2)</sup>	+25	80-300	10mA		0.25***
2N1309	G/PNP	T05	150mW	20mc <sup>(2)</sup>	-30	80-300	10mA		Medium current medium speed logic
2N1554	G/PNP	T03	100W <sup>(5)</sup>	6kc <sup>(2)</sup>	-60	30-60	10A	AF power	1.25
2N1613	S/NPN	T05	800mW	60mc <sup>(1)</sup>	+75	40-120	150mA	G.P. and Switching	0.17*
2N1711	S/NPN	T05	800mW	70mc <sup>(1)</sup>	+75	100-300	150mA		0.20*
2N1756	G/PNP	MS7	28W	15kc <sup>(2)</sup>	-60	55 <sup>(2)</sup>	500mA		0.75
2N1905	G/PNP	T03	30W <sup>(5)</sup>	75kc <sup>(2)</sup>	+100	50-150	1A	Inverters, wide band amplifiers	2.10
2N2147	G/PNP	T03	12.5W	4mc <sup>(2)</sup>	-75	150 <sup>(2)</sup>	1A	Audio Amplifiers	0.75
2N2160		UJ	R <sub>BB</sub> = 4 - 12k; η = .47 - .80; I <sub>v</sub> = 8mA; I <sub>p</sub> = 25 μA					Unijunction	0.60
2N2217	S/NPN	T05	800mW	250mc <sup>(1)</sup>	+60	20-60	150mA	High speed Switching D.C. Ampl. and VHF/UHF	0.25*
2N2218	S/NPN	T05	800mW	250mc <sup>(1)</sup>	+60	40-120	150mA		0.20*
2N2219	S/NPN	T05	800mW	250mc <sup>(1)</sup>	+60	100-300	150mA		0.20*
2N2369A	S/NPN	T018	360mW	500mc <sup>(2)</sup>	+40	40-120	10mA	VHF/UHF	0.15*
2N2477	S/NPN	T05	600mW	250mc <sup>(1)</sup>	+60	40 <sup>(1)</sup>	150mA	High speed Switch	0.65*
2N2646	S/PNP	UJ	R <sub>BB</sub> = 4.7 - 9.1k; η = .56 - .75; I <sub>v</sub> = 4mA; I <sub>p</sub> = 5 μA					Unijunction	0.40*
2N2905	S/PNP	T05	600mW	200mc <sup>(1)</sup>	-40	100-300	150mA	DC to VHF Ampl.	0.25*
2N2923	S/NPN	R067	200mW	120mc <sup>(2)</sup>	+25	90-180	2mA	Wide band	0.12
2N2924	S/NPN	R067	200mW	120mc <sup>(2)</sup>	+25	150-300	2 μA	Amplifiers	0.13
2N2926	S/NPN	R067	200mW	120mc <sup>(2)</sup>	+18	35-70	2mA	Brown	0.10

### Notes

- (1) Minimum value  
 (2) Average value  
 (3) Max. unilateralized power gain  
 (4) Max. frequency of oscillation  
 (5) With heat sink  
 P<sub>tot</sub>: Max. total dissipation in free air at 25°C ambient temp.  
 V<sub>cbo</sub>: Max. collector-to-base voltage, emitter open-circuited  
 h<sub>fe</sub>: Large signal (D.C.) or small signal forward current gain.  
 \* Collector connected to case.  
 \*\* Shield connected to case.  
 \*\*\* Base connected to case.