





Small-Signal Bipolar Transistors

V _{CE0} ⁽⁴⁾ (Volt)	Package				I _C ⁽⁴⁾ (mA)	DC Current Gain h _{FE} @			V _{CE} / I _C ⁽⁴⁾
	Thru-hole		Surface Mount			min.	typ.	max.	
	TO-92 	TO-92 	SOT-23 	SOT-23 					
NPN	PNP	NPN	PNP						
20	GS9013	GS9012			500	64		202	1V / 50mA
25	2N4124	2N4126			200	120		360	1V / 2mA
			BC818-16	BC808-16	500	100		250	1V / 100mA
			BC818-25	BC808-25	500	160		400	1V / 100mA
			BC818-40	BC808-40	500	250		600	1V / 100mA
	BC338-16	BC328-16			800	100	160	250	1V / 300mA
	BC338-25	BC328-25			800	160	250	400	1V / 300mA
	BC338-40	BC328-40			800	250	400	630	1V / 300mA
	GS8050T	GS8550T			800	85		300	1V / 100mA
30	BC548A	BC558A	BC848A	BC858A	100		220		5V / 2mA
	BC548B	BC558B	BC848B	BC858B	100		330		5V / 2mA
	BC548C	BC558C	BC848C	BC858C	100		600		5V / 2mA
			BC849B ⁽²⁾	BC859B ⁽²⁾	100		330		5V / 2mA
			BC849C ⁽²⁾	BC859C ⁽²⁾	100		600		5V / 2mA
			MMBT13⁽³⁾		300	10,000			5V / 100mA
			MMBT14⁽³⁾		300	20,000			5V / 100mA
		MPSA13⁽³⁾			500	10,000			5V / 100mA
	MPSA14⁽³⁾			500	20,000			5V / 100mA	
32			BCW60A	BCW61A	100	120		220	5V / 2mA
			BCW60B	BCW61B	100	180		310	5V / 2mA
			BCW60C	BCW61C	100	250		460	5V / 2mA
			BCW60D	BCW61D	100	380		630	5V / 2mA
40	2N3904	2N3906	MMBT3904	MMBT3906	200	100		300	1V / 10mA
	2N4401	2N4403	MMBT4401	MMBT4403	600		100	300	1V / 150mA
	MPS2222A	MPS2907A	MMBT2222A	MMBT2907A	600		100	300	10V / 150mA
45	BC547A	BC557A	BC847A	BC857A	100		220		5V / 2mA
	BC547B	BC557B	BC847B	BC857B	100		330		5V / 2mA
	BC547C	BC557C	BC847C	BC857C	100		600		5V / 2mA
			BCX70G	BCX71G	200	120		220	5V / 2mA
			BCX70H	BCX71H	200	180		310	5V / 2mA
			BCX70J	BCX71J	200	250		460	5V / 2mA
			BCX70K	BCX71K	200	380		630	5V / 2mA
			BC817-16	BC807-16	500	100		250	1V / 100mA
			BC817-25	BC807-25	500	160		400	1V / 100mA
			BC817-40	BC807-40	500	250		600	1V / 100mA
	BC337-16	BC327-16			800	100	160	250	1V / 300mA
	BC337-25	BC327-25			800	160	250	400	1V / 300mA
	BC337-40	BC327-40			800	250	400	630	1V / 300mA
			BCW66G	BCW68G	800	160		400	1V / 100mA
				BCW69	100	120		260	5V / 2mA
			BCW70	100	215		500	5V / 2mA	
		BCW71		100	110		220	5V / 2mA	
		BCW72		100	200		450	5V / 2mA	
	GS9014⁽²⁾	GS9015⁽²⁾			100	60		600	5V / 1mA
65	BC546A	BC556A	BC846A	BC856A	100		220		5V / 2mA
	BC546B	BC556B	BC846B	BC856B	100		330		5V / 2mA
80	MPSA06	MPSA56	MMBT A06	MMBT A56	500		100		1V / 100mA

Notes:

(1) **Blue Text = New Products**

(2) Low-noise transistor

(3) Darlington Transistor

(4) Negative values for PNP devices