

SMALL-SIGNAL TRANSISTORS & DIODES & MEDIUM-POWER RECTIFIERS

Small-signal transistors

LOW-NOISE TRANSISTORS

LEADED TYPES

type number	ratings			characteristics							package
	V_{CE0} max. (V)	I_C max. (mA)	P_{tot} max. (mW)	h_{FE} @ min./max.	I_C/V_{CE} (mA/V)	V_{CEsat} @ (V)	I_C/I_B (mA/mA)	f_T typ. (MHz)	F typ. (dB)		
NPN											
BC109	20	100	300	240/900	2/-	-	-	300	1.2	TO-18	
BC549	30	100	500	240/800	2/-	-	-	300	1.4	TO-92	
BC550	45	100	500	240/800	2/-	-	-	300	1.4	TO-92	
BCY57	20	100	300	200/800	2/-	-	-	100	1.5	TO-18	
JC549	30	200	500	200/800	2/-	-	-	300	1.4	TO-92	
JC550	45	200	500	200/800	2/-	-	-	300	1.4	TO-92	
2N5088	30	50	625	350/-	1/-	-	-	50 ¹⁾	3	TO-92	
2PC1815L	50	150	500	120/700	2/-	-	-	80 ¹⁾	0.2	TO-92	
PNP											
BC559	30	100	500	125/800	2/-	-	-	150	1.2	TO-92	
BCY70	40	200	350	100/-	10/-	-	-	450	2.0	TO-18	
BCY71	45	200	350	100/-	10/-	-	-	450	0.8	TO-18	
JC559	30	200	500	125/800	2/-	-	-	200	1.2	TO-92	
JC560	45	200	500	125/800	2/-	-	-	200	1.0	TO-92	
2N5087	50	50	625	250/-	1/-	-	-	40 ¹⁾	2	TO-92	
2PA1015L	50	150	500	120/400	2/-	-	-	80 ¹⁾	0.2	TO-92	

LOW-NOISE TRANSISTORS

SURFACE-MOUNT TYPES

type number	ratings			characteristics							package
	V_{CE0} max. (V)	I_C max. (mA)	P_{tot} max. (mW)	h_{FE} @ min./max.	I_C/V_{CE} (mA/V)	V_{CEsat} @ (V)	I_C/I_B (mA/mA)	f_T typ. (MHz)	F typ. (dB)		
NPN											
BC849	30	100	250	450/800	2/5	0.25	10/0.5	300	-	SOT23	
BC849W	30	100	200	200/800	2/5	0.25	10/0.5	100 ¹⁾	4	SOT323	
BC850	45	100	250	450/800	2/5	0.25	10/0.5	300	-	SOT23	
BC850W	50	100	200	200/800	2/5	0.25	10/0.5	100 ¹⁾	4	SOT323	
BCF32	32	100	250	200/450	2/5	0.25	10/0.5	300	-	SOT23	
BCF33	32	100	250	420/800	2/5	0.25	10/0.5	300	-	SOT23	
BCF81	45	100	250	420/800	2/5	0.25	10/0.5	300	-	SOT23	
PMBT5088	30	50	250	350/-	1/5	0.5	10/1	200	-	SOT23	
PMST5088	30	50	200	300/900	0.1/5	0.5	10/1	-	-	SOT323	
PMST5089	25	50	200	400/1200	0.1/5	0.5	10/1	-	-	SOT323	
PNP											
BC859	30	100	250	125/800	2/5	0.3	10/0.5	150	-	SOT23	
BC859W	30	100	200	125/800	2/5	0.3	10/0.5	100 ¹⁾	4	SOT323	
BC860	45	100	250	125/800	2/5	0.3	10/0.5	150	-	SOT23	
BC860W	45	100	200	125/800	2/5	0.3	10/0.5	100 ¹⁾	4	SOT323	
BCF29	32	100	250	120/260	2/5	0.3	10/0.5	150	-	SOT23	
BCF30	32	100	250	215/500	2/5	0.3	10/0.5	150	-	SOT23	

¹⁾ minimum value