

Transistors

For complete package outlines, refer to pages PO-1 through PO-6

General Purpose and Switching

Type		Maximum Ratings			Characteristics (T _A =25°C)								Case			
N=NPN P=PNP		V _{CBO}	I _C	P _t	f _T	I _{CBO} at	V _{CBO}	h _{FE} at	I _C	V _{CE}	V _{CE(sat)} at	I _C	I _B	Style	Lead Code	SOT Equiv.
		V	mA	mW	MHz	I _{CEX} at	V _{CEX}	mA	V	V	mA	mA				
BC167	N	50	100	500	200	≤ 15	30	110....450*	2	5	≤ 0.60	100	5.0	TO-92c	58	BC547
BC168	N	30	100	500	200	≤ 15	30	110....800*	2	5	≤ 0.60	100	5.0	TO-92c	58	BC848
BC169	N	30	100	500	200	≤ 15	30	200....800*	2	5	≤ 0.60	100	5.0	TO-92c	58	BC849
BC182	N	60	100	500	200	≤ 15	50	110....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BCX70
BC183	N	45	100	500	200	≤ 15	50	110....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BCW60
BC212	P	60	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC857
BC213	P	45	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC858
BC237	N	50	100	500	200	≤ 15	50	110....450*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC847
BC238	N	30	100	500	200	≤ 15	30	110....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC848
BC239	N	30	100	500	200	≤ 15	30	110....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC849
BC257	P	50	100	500	250	≤ 15	30	125....475*	2	5	≤ 0.65	100	5.0	TO-92c	59	BCX71
BC258	P	30	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92c	59	BCW61
BC259	P	25	100	500	250	≤ 15	30	220....800*	2	5	≤ 0.65	100	5.0	TO-92c	59	BCW61
BC307	P	50	100	500	250	≤ 15	50	125....475*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC857
BC308	P	30	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC858
BC309	P	25	100	500	250	≤ 15	25	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC859
BC327	P	50	800	625	200	≤ 100	45	100....630*	100	1	≤ 0.70	500	50.0	TO-92d	51	BC807
BC328	P	30	800	625	200	≤ 100	25	100....630*	100	1	≤ 0.70	500	50.0	TO-92d	51	BC808
BC337	N	50	800	625	170	≤ 100	45	100....630*	100	1	≤ 0.70	500	50.0	TO-92d	53	BC817
BC338	N	30	800	625	170	≤ 100	25	100....630*	100	1	≤ 0.70	500	50.0	TO-92d	53	BC818
BC368	N	25	1000	800	100	≤ 100	25	63....400	500	1	≤ 0.50	1000	100.0	TO-92d	58	BCP68
BC369	P	25	1000	800	100	≤ 100	25	63....400	500	1	≤ 0.50	1000	100.0	TO-92d	59	BCP69
BC413	N	45	100	500	200	≤ 15	30	200....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC850
BC414	N	50	100	500	200	≤ 15	30	200....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC850
BC415	P	45	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC860
BC416	P	50	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC860
BC546	N	80	100	500	200	≤ 15	30	100....450*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC846
BC547	N	50	100	500	200	≤ 15	30	110....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC847
BC548	N	30	100	500	200	≤ 15	30	110....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC848
BC549	N	30	100	500	200	≤ 15	30	200....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC849
BC550	N	50	100	500	200	≤ 15	30	200....800*	2	5	≤ 0.60	100	5.0	TO-92d	53	BC850
BC556	P	80	100	500	250	≤ 15	30	125....475*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC856
BC557	P	50	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC857
BC558	P	30	100	500	250	≤ 15	30	125....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC858
BC559	P	30	100	500	250	≤ 15	30	220....800*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC859
BC560	P	50	100	500	250	≤ 15	30	220....475*	2	5	≤ 0.65	100	5.0	TO-92d	51	BC860
BC635	N	45	1000	800	100	≤ 100	30	40....250	150	2	≤ 0.50	500	50.0	TO-92d	58	BCP54
BC636	P	45	1000	800	100	≤ 100	30	40....250	150	2	≤ 0.50	500	50.0	TO-92d	59	BCP55
BC637	N	60	1000	800	100	≤ 100	30	40....160	150	2	≤ 0.50	500	50.0	TO-92d	58	BCP56
BC638	P	60	1000	800	100	≤ 100	30	40....160	150	2	≤ 0.50	500	50.0	TO-92d	59	BCP51
BC639	N	100	1000	800	100	≤ 100	30	40....160	150	2	≤ 0.50	500	50.0	TO-92d	58	BCP52
BC640	P	100	1000	800	100	≤ 100	30	40....160	150	2	≤ 0.50	500	50.0	TO-92d	59	BCP53
BCX58	N	32	100	500	200	≤ 20	32	120....630*	2	5	≤ 0.50	100	2.5	TO-92d	53	BCW60
BCX59	N	45	100	500	200	≤ 20	45	120....630*	2	5	≤ 0.50	100	2.5	TO-92d	53	BCX70
BCX73	N	60	800	625	170	≤ 20	32	100....630*	100	1	≤ 0.60	500	50.0	TO-92d	53	BCW65
BCX74	N	75	800	625	170	≤ 20	45	100....630*	100	1	≤ 0.60	500	50.0	TO-92d	53	BCW66
BCX75	P	60	800	625	200	≤ 20	32	100....630*	100	1	≤ 0.60	500	50.0	TO-92d	53	BCW67
BCX76	P	75	800	625	200	≤ 20	45	100....630*	100	1	≤ 0.60	500	50.0	TO-92d	51	BCW68
BCX78	P	32	100	500	250	≤ 20	32	120....630*	2	5	≤ 0.60	100	2.5	TO-92d	51	BCW61
BCX79	P	45	100	500	250	≤ 20	45	120....630*	2	5	≤ 0.60	100	2.5	TO-92d	51	BCX71

* Available in h_{FE} subgroups. See foldout for description.