

Transistors (Selection Guide by Applications and Functions)

■ Silicon Power Transistors (continued)

Application Functions	V _{CEO} (V)	I _c (A)	V _{CE(sat)}			Package (No.)											
			typ. (V)	I _c (A)	I _b (mA)	TO-220(a) (D56)		TO-220F(D59)		TO-220E(D63)		TO220D(D62)		N Type (D47)		I Type (D48)	
						NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP	NPN	
High h _{FE}	60	6	<1	5	100			2SD1474						2SD1719		2SD1755	
	60/80	2	<1	1	25			2SD1776/A						2SD1775/A			
	60	2	<1	1	25			2SD2158									
	60/80	3	<1	2	50		2SB1299/A	2SD1273/A	△ 2SB1629			2SD2375		2SD1259/A		2SD1754/A	
	60	3	<1	2	50			2SD2156									
	60	4	<0.7	3	75							△ 2SD2527					
	60	5	<0.3	4	100							△ 2SD2528					
	150	1	<1	0.5	20			2SD1272						2SD1258		2SD1753	
High h _{FE} built-in Zener	35 ± 5	2	<0.5	1.2	30					△ 2SD2517							
	35 ± 5	4	<0.5	2	50					△ 2SD2518							
	60 ± 10	2	<0.5	1.2	30					△ 2SD2519							
	60 ± 10	6	<0.5	3	75					△ 2SD2520							
Darlington	60	4	<2	3	12			2SD1510									
	60/80	2	<2.5	2	8		2SB949/A	2SD1275/A					2SB937/A	2SD1260/A	2SB1178/A	2SD1748/A	
	60/80	4	<2	3	12		2SB950/A	2SD1276/A			△ 2SB1623	△ 2SD2420	2SB938/A	2SD1261/A	2SB1179/A	2SD1749/A	
	60	4	<2	3	12			2SD2157									
	60	8	<1.5	4	8		2SB1464	2SD2214									
	60/80	8	<1.5	4	8		2SB951/A	2SD1277/A					2SB939/A	2SD1262/A	2SB1180/A	2SD1750/A	
	80	5	<1	1.5	50			2SD1315									
	100	5	<1.5	3	3		2SB1194	2SD1633									
	100	8	<1.5	5	5		2SB1195	2SD1634									
	100/120	6	<1.5	5	12.5			2SD1336/A									
	120	8	<1.5	4	8		2SB1108 2SB1193	2SD1608 2SD1773									
	400	6	<1.5	3	60			2SD1446						2SD1611			
	400	7	<2	7	70			2SD1535						2SD1534			
		V _{CEs} 1100	2	<20	2	3.5								△ 2SD2501			
	V _{CEs} 1200	2	<30	2	3.5								△ 2SD2502				
	V _{CEs} 1400	2	<30	2	3.5								△ 2SD2503				
Darlington built-in Zener	30 ± 5	2	<2.5	2	8			2SD1322						2SD1316			
	30 ± 5	4	<2.5	3	12			2SD1323						2SD1317			
	30 ± 5	8	<1.5	4	8			2SD1324						2SD1318			
	60 ± 10	2	<2.5	2	8			2SD1325						2SD1319			
	60 ± 10	4	<2.5	3	12			2SD1326						2SD1320			
	60 ± 10	8	<1.5	4	8			2SD1327						2SD1321			
	100 ± 15	4	<2	3	12											2SD2209	

△ Preliminary