

Transistors (Selection Guide by Applications and Functions)

■ Switching Power Transistors

Applica- tion	V _{CB0} (V)	V _{CE0} (V)	I _C (A)	V _{CE(sat)}			t _r (μs)	Package (No.)											
				V	I _C (A)	I _B (mA)		MT3 (D40)	MT4 (D41)	TO-220(a) (D52)	TO-220F(a) (D55)	N Type (D42)	I Type (D44)	U Type (D36)	TOP-3(a) (D60)	TOP-3F (D63)	TOP-3E (D65)	TOP-3L (D67)	
Switch- ing	150/200 /250	80	5	<1.6	5	1(A)	1					2SD1274/AB							
	330	200	7	<1	5	500	0.75										2SD1680 *		
	450	400	10	<1.2	4	800	1										2SC5278		
	500	400	2	<1	1	200	1	△2SC4986					2SC3403	2SC3825					
	500	400	10	<1	5	1A	1											2SC3210	
	500	400	10	<1	5	1A	1											2SC3171	
	500	400	15	<1	7	1.4A	1											2SC3527	
	500	400	20	<1	10	2A	1										2SC3850	2SC3528	
	800/900	500	1.5	<1	1	200	1					2SC3352/A							
	800/900	500	1.5	<1	1	200	1					2SC3794/A							
	800/900	500	5	<1	3	600	1					2SC3353/A							
	800/900	500	5	<1	3	600	1					2SC3795/A	2SC5145						
	800/900	500	5	<1	3	600	1											2SC3211	
	800/900	500	5	<1	3	600	1										2SC3796/A	2SC3798/A	
	800/900	500	7	<1	5	1A	1											2SC3212/A	
	800/900	500	7	<1	5	1A	1										2SC3797/A	2SC3799/A	
	850	650	5	<1.5	3	600	0.5											2SC3577	
	900	500	15	<1	8	1.6A	1												2SC3910
	900	800	1	<1.5	0.2	40	1					2SC4004							
	900	800/ 900	1	<1.5	0.2	40	1	△2SC4985	2SC4892				2SC3496/A	2SC3824/A				2SC4960	
1000	800	3	<0.6	0.8	160	1					2SC3743						2SC4359		
1000	800	3	<1.5	2	400	0.5											2SC3506	2SC5156	
1000	800	5	<1.5	3	600	0.5											2SC3507	2SC5157 2SC5283	
-400	-400	0.5	<-1.5	-0.2	-40	1					2SA1614		2SA1550	2SB1632					
-400	-400	0.6	<-1	-0.3	-60	1					2SA1499	2SA1498	2SA1495	△2SA1868					
-400	-400	5	<-1	-2	-400	1				2SA1500	2SA1501								
-600	-600	-0.3	<-1	-0.15	-30	0.5							2SB1498						

△ Tentative