

Transistors (Selection Guide by Applications and Functions)

■ Switching Power Transistors (continued)

Appli- cation	V _{CE0} (V)	V _{CE0} (V)	I _C (A)	V _{CE(sat)}			t _b (μs)	Package (No.)										
				V _{CE(sat)} (V)	I _C (A)	I _B (mA)		TO-220F(a) (D55)	TO-220E (D59)	TO-220D (D58)	N Type (D42)	TOP-3(a) (D60)	TOP-3F (D63)	TOP-3E (D65)	TOP-3L (D67)			
High- speed switch- ing	450	400	10	<1.2	4	800	1.0						2SC4768					
	500	400	2	<1	1	200	0.3	2SC3868				2SC5063						
	500	400	3	<1	1.5	300	0.3	2SC4533	2SC5032	2SC4953	2SC5104							
	500	400	5	<1	2	400	0.3	2SC3869										
	500	400	5	<1	2	400	0.3	2SC4026	2SC4961									
	500	400	7	<1	3	600	0.3	2SC3870	△ 2SC5217			2SC4687	2SC4621	2SC5160				
	500	400	7	<1	3	600	0.3	2SC4559	2SC5034									
	500	400	10	<1	5	1A	0.3	2SC3871					2SC3872	2SC5158				
	500	400	12	<1	7	1.4A	0.3						2SC3873					
	500	400	15	<1	10	2A	0.3										2SC3874	
	800/900	500	1.5	<1	0.6	170	0.3	2SC3970/A	2SC5127									
	800/900	500	3	<1	1.2	350	0.3	2SC3971/A										
	800/900	500	5	<1	2	570	0.3	2SC3972/A	2SC5128									
	800	500	5	<1	3	600	1	2SC4638	△ 2SC5035									
	800/900	500	7	<1	4	800	0.3	2SC3973/A	2SC5077					2SC3974				
	800	500	10	<1	6	1.7A	0.3						2SC3975	2SC5281	2SC3976			
	1000	500	5	<1	3	600	1			2SC4898								
	900/1000	800	1	<1.5	0.2	40	0.3	2SC3977/A	△ 2SC5036									
	900/1000	800	2	<1.5	0.5	100	0.3	2SC3978/A										
	900/1000	800	3	<1.5	0.8	160	0.3	2SC3979/A	△ 2SC5037					2SC4420	2SC5159			
900/1000	800	4	<1.5	2	400	0.3							2SC3980/A	2SC5282				
900/1000	800	5	<1.5	3	600	0.3							2SC3981/A					
900/1000	800	10	<1.5	4	800	0.3											2SC3982/A	
1200	800	10	<1.5	4	800	0.3											△ 2SC5284	
1500	500	10	<2.0	10	1A	4.0											2SC4528	

△ Tentative