

Transistors (Selection Guide by Applications and Functions)

Switching Power Transistors

Applica- tion	V _{CBO} (V)	V _{CEO} (V)	I _C (A)	V _{CE} (sat) (V)			t _r (μs)	Package (No.)																	
					I _C (A)	I _B (mA)		MT3 (D43)	MT4 (D46)	TO-220(a) (D56)	TO-220F(a) (D59)	TO-220E (D63)	TO-220D (D62)	N Type (D47)	I Type (D48)	U Type (D41)	TOP-3(a) (D64)	TOP-3F (D67)	TOP-3E (D69)	TOP-3L (D71)					
Switch- ing	150/200/ 250	80	5	<1.6	5	1(A)	1				2SD1274/AB														
	330	200	7	<1	5	500	0.75										2SD1680*								
	500	400	2	<1	1	200	1	Δ 2SC4986							2SC3403	2SC3825									
	500	400	7	<1	3	600	1										2SC2841								
	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	Δ 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											2SC3285	2SC3506	2SC5156					
	1000	800	5	<1.5	3	600	0.5												2SC3507	2SC5157					
	-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									

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