

SWITCHING APPLICATIONS

(Classified by VCEO and arranged in order of package. Minus sign for PNP is omitted due to space limitations.)

Type Number	Case	Applications	Absolute Maximum Ratings/Ta=25°C						Electrical Characteristics/Ta=25°C						
			VCEO	VCEO	VEBO	IC	PC *TC=25°C	Tj	VCE	IC	hFE	VCE	IC	fT	tf (max) [μs]
			[V]	[V]	[V]	[A]	[W]	[°C]				[V]	[A]	[MHz]	
2 SA 1 3 3 1	CP	High-Speed Switching	60	50	5	150m	150m	125	6	1m	90-400	6	1m	100	0.2typ
2 SC 3 3 6 1	CP	High-Speed Switching	60	50	5	150m	150m	125	6	1m	90-600	6	1m	100	0.16typ
2 SA 1 3 3 8	CP	High-Speed Switching	60	50	5	500m	200m	150	5	10m	100-560	10	50m	200	-
2 SC 3 3 9 2	CP	High-Speed Switching	60	50	5	500m	200m	150	5	10m	100-560	10	50m	300	-
2 SC 2 9 6 0	SP	High-Speed Switching	60	50	5	150m	250m	150	6	1m	100-560	6	1m	100	0.25
2 SA 1 3 3 9	SP	High-Speed Switching	60	50	5	500m	300m	150	5	10m	100-560	10	50m	200	-
2 SC 3 3 9 3	SP	High-Speed Switching	60	50	5	500m	300m	150	5	10m	100-560	10	50m	300	-
2 SC 2 9 9 8	NP	High-Speed Switching	60	50	5	150m	500m	150	6	1m	100-560	6	1m	100	0.25
2 SA 1 2 5 7	CP	High-Voltage Switching	180	160	5	80m	200	125	5	10m	60-270	10	10m	130	0.15
2 SC 3 1 4 3	CP	High-Voltage Switching	180	160	5	80m	200	125	5	10m	60-270	10	10m	150	0.2
2 SC 3 0 3 8	T0220	Switching Regulator	500	400	7	4	40*	150	5	0.4	>15	10	0.4	20	1.0
2 SC 3 0 3 9	T0220	Switching Regulator	500	400	7	7	50*	150	5	0.8	>15	10	0.8	20	1.0
2 SC 3 0 8 3	T03PB	Switching Regulator	500	400	7	6	60*	150	5	0.4	>15	10	0.4	20	1.0
2 SC 3 0 4 0	T03PB	Switching Regulator	500	400	7	8	80*	150	5	0.8	>15	10	0.8	20	1.0
2 SC 3 2 7 7	T03PB	Switching Regulator	500	400	7	10	90*	150	5	1.2	>15	10	1.2	20	1.0
2 SC 3 0 4 2	T03PB	Switching Regulator	500	400	7	12	100*	150	5	1.6	>15	10	1.6	20	1.0
2 SC 3 0 8 5	T03	Switching Regulator	500	400	7	25	160*	150	5	16	>8	10	3.2	20	1.0
2 SC 3 0 8 6	T0220	Switching Regulator	800	500	7	3	40*	150	5	0.3	>10	10	0.3	18	1.0
2 SC 3 4 4 6	T0220	Switching Regulator (High-Speed)	800	500	7	3	40*	150	5	0.3	>10	10	0.3	18	0.3
2 SC 3 0 8 7	T0220	Switching Regulator	800	500	7	5	50*	150	5	0.6	>10	10	0.6	18	1.0
2 SC 3 4 4 7	T0220	Switching Regulator (High-Speed)	800	500	7	5	50*	150	5	0.6	>10	10	0.6	18	0.3
2 SC 3 0 8 8	T03PB	Switching Regulator	800	500	7	4	60*	150	5	0.3	>10	10	0.3	18	1.0
2 SC 3 4 4 8	T03PB	Switching Regulator (High-Speed)	800	500	7	4	60*	150	5	0.3	>10	10	0.3	18	0.3
2 SC 3 0 8 9	T03PB	Switching Regulator	800	500	7	7	80*	150	5	0.6	>10	10	0.6	18	1.0
2 SC 3 4 4 9	T03PB	Switching Regulator (High-Speed)	800	500	7	7	80*	150	5	0.6	>10	10	0.6	18	0.3
2 SC 3 4 5 0	T03PB	Switching Regulator (High-Speed)	800	500	7	10	90*	150	5	0.8	>10	10	0.8	18	0.3
2 SC 3 0 9 0	T03PB	Switching Regulator	800	500	7	10	100*	150	5	1.2	>10	10	1.2	18	1.0
2 SC 3 4 5 1	T03PB	Switching Regulator (High-Speed)	800	500	7	15	100*	150	5	1.2	>10	10	1.2	18	0.3
2 SC 3 4 5 5	T03PB	Switching Regulator (High-Speed)	800	500	7	25	160*	150	5	12	>8	10	2.4	18	0.3
* 2 SC 3 4 6 6	T03PB	Switching Regulator	1200	650	7	8.0	120*	150	5	1.0	>10	10	1.0	5	0.7
2 SC 3 1 8 3	T0220	Switching Regulator	900	800	7	0.2	25*	150	5	0.1	>8	10	20m	15	1.0
2 SC 3 1 8 4	T0220	Switching Regulator	900	800	7	0.5	30*	150	5	0.3	>8	10	60m	15	1.0
2 SC 3 1 4 9	T0220	Switching Regulator	900	800	7	1.5	40*	150	5	0.1	>10	10	0.1	15	0.7
2 SC 3 4 5 6	T0220	Switching Regulator (High-Speed)	1100	800	7	1.5	40*	150	5	0.1	>10	10	0.1	15	0.3
2 SC 3 1 5 0	T0220	Switching Regulator	900	800	7	3.0	50*	150	5	0.2	>10	10	0.2	15	0.7
2 SC 3 4 5 7	T0220	Switching Regulator (High-Speed)	1100	800	7	3.0	50*	150	5	0.2	>10	10	0.2	15	0.3
2 SC 3 1 5 1	T03PB	Switching Regulator	900	800	7	1.5	60*	150	5	0.1	>10	10	0.1	15	0.7

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