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## SWITCHING APPLICATIONS

(Classified by V<sub>CEO</sub> and arranged in order of package. Minus sign for PNP is omitted due to space limitations.)

Type Number	Case	Applications	Absolute Maximum Ratings/T <sub>a</sub> =25°C						Electrical Characteristics/T <sub>a</sub> =25°C						
			V <sub>CB0</sub> [V]	V <sub>CEO</sub> [V]	V <sub>EB0</sub> [V]	I <sub>C</sub> [A]	P <sub>C</sub> *T <sub>C</sub> =25°C [W]	T <sub>j</sub> [°C]	V <sub>CE</sub> [V]	I <sub>C</sub> [A]	h <sub>FE</sub>	f <sub>T</sub>		t <sub>f</sub> (max) [μs]	
												V <sub>CE</sub> [V]	I <sub>C</sub> [A]		[MHz]
2 S C 3 1 5 2	TO3PB	Switching Regulator	900	800	7	3.0	80*	150	5	0.2	>10	10	0.2	15	0.7
2 S C 3 4 5 8	TO3PB	Switching Regulator (High-Speed)	1100	800	7	3.0	80*	150	5	0.2	>10	10	0.2	15	0.3
2 S C 3 4 5 9	TO3PB	Switching Regulator (High-Speed)	1100	800	7	4.5	90*	150	5	0.3	>10	10	0.3	15	0.3
2 S C 3 1 5 3	TO3PB	Switching Regulator	900	800	7	6.0	100*	150	5	0.4	>10	10	0.4	15	0.7
2 S C 3 4 6 0	TO3PB	Switching Regulator (High-Speed)	1100	800	7	6.0	100*	150	5	0.4	>8	10	0.4	15	0.3
2 S C 3 4 6 1	TO3PB	Switching Regulator (High-Speed)	1100	800	7	8.0	120*	150	5	0.8	>10	10	0.8	15	0.3
2 S C 3 5 5 2	TO3PB	Switching Regulator	1100	800	7	12	150*	150	5	0.8	>10	10	0.8	15	0.3
*2 S C 3 4 6 5	TO3	Switching Regulator	1100	800	7	12	160*	150	5	4.0	>8	10	0.8	15	0.3

## TV/CRT DISPLAY APPLICATIONS(I)

(Classified by package and arranged in order of increasing P<sub>C</sub>. Minus sign for PNP is omitted due to space limitation.)

Type Number	Case	Applications	Absolute Maximum Ratings/T <sub>a</sub> =25°C						Electrical Characteristics/T <sub>a</sub> =25°C							
			V <sub>CB0</sub> [V]	V <sub>CEO</sub> [V]	V <sub>EB0</sub> [V]	I <sub>C</sub> [A]	P <sub>C</sub> *T <sub>C</sub> =25°C [W]	T <sub>j</sub> [°C]	V <sub>CB</sub> [V]	I <sub>CB0</sub> (max) [A]	V <sub>CE</sub> [V]	I <sub>C</sub> [A]	h <sub>FE</sub>	f <sub>T</sub>		
														[V]	[A]	[MHz]
2 S C 2 8 5 7	NP	Color TV Ver., Sound Driver	180	180	5	50m	500m	150	180	1.0 μ	10	10m	40~320	30	10m	>50
2 S C 3 5 0 4	MP	High-Definition CRT Display, Video Output	70	60	4	50m	900m	150	40	0.1 μ	10	10m	60~320	10	10m	500
2 S C 2 2 2 8 Y	MP	TV Video Output	160	160	5	50m	900m	150	160	1.0 μ	10	10m	40~320	30	10m	>50
2 S C 2 2 2 8 A	MP	TV Video Output	200	200	5	50m	900m	150	200	1.0 μ	10	10m	40~320	30	10m	>50
2 S C 2 2 7 1	MP	Chroma Output, HoriDef. Driver	300	300	6	100m	900m	150	200	1.0 μ	10	10m	40~200	30	10m	>50
2 S A 1 3 7 0	MP	High-Definition CRT Display, Video Output	200	200	5	100m	1	150	150	0.1 μ	10	10m	40~320	30	10m	150
2 S C 3 4 6 7	MP	High-Definition CRT Display, Video Output	200	200	5	100m	1	150	150	0.1 μ	10	10m	40~320	30	10m	150
2 S A 1 3 7 1	MP	High-Definition CRT Display, Video Output	300	300	5	100m	1	150	200	0.1 μ	10	10m	40~320	30	10m	150
2 S C 3 4 6 8	MP	High-Definition CRT Display, Video Output	300	300	5	100m	1	150	200	0.1 μ	10	10m	40~320	30	10m	150
2 S A 1 3 5 2	TO126	High-Definition CRT Display, Video Output	200	200	5	100m	5*	150	150	0.1 μ	10	10m	40~320	30	10m	70
2 S C 3 4 1 6	TO126	High-Definition CRT Display, Video Output	200	200	5	100m	5*	150	150	0.1 μ	10	10m	40~320	30	10m	70
2 S A 1 3 8 0	TO126	High-Definition CRT Display, Video Output	200	200	5	100m	5*	150	150	0.1 μ	10	10m	40~320	30	10m	150
2 S C 3 5 0 2	TO126	High-Definition CRT Display, Video Output	200	200	5	100m	5*	150	150	0.1 μ	10	10m	40~320	30	10m	150
2 S A 1 3 8 1	TO126	High-Definition CRT Display, Video Output	300	300	5	100m	7*	150	200	0.1 μ	10	10m	40~320	30	10m	150
2 S C 3 5 0 3	TO126	High-Definition CRT Display, Video Output	300	300	5	100m	7*	150	200	0.1 μ	10	10m	40~320	30	10m	150
2 S A 1 3 5 3	TO126	High-Definition CRT Display, Video Output	300	300	5	100m	10*	150	200	0.1 μ	10	10m	40~320	30	10m	70
2 S C 3 4 1 7	TO126	High-Definition CRT Display, Video Output	300	300	5	100m	10*	150	200	0.1 μ	10	10m	40~320	30	10m	70
2 S C 2 6 2 1	TO126	High-Definition CRT Display, Video Output	300	300	6.5	200m	10*	150	200	1.0 μ	10	10m	40~200	30	10m	>50