

Continued from previous page

Device	Package type	Applications	Absolute maximum ratings						Electrical characteristics (T _a = 25 °C)								
			V _{CB0} (V)	V _{CEO} (V)	V _{EB0} (V)	I _C (A)	P _C (W)	T _J (°C)	I _{CB0} max @ V _{CB}		h _{FE} @ V _{CE} · I _C			f _T @ V _{CE} · I _C			
									I _{CB0} max (μA)	V _{CB} (V)	h _{FE}	V _{CE} (V)	I _C (mA)	f _T (MHz)	V _{CE} (V)	I _C (mA)	
2SC4075	TO220ML	Color TV chroma, B/W TV video, audio output driver	300	300	7.0	0.2	10.0*	150	0.1	200	40 to 200	10	10	> 50	30	10	
2SA1696	TO220ML	High-resolution CRT display, video output driver	120	120	3.0	0.4	10.0*	150	0.1	80	40 to 320	10	50	400	10	50	
2SC4473	TO220ML	High-resolution CRT display, video output driver	120	120	3.0	0.4	10.0*	150	0.1	80	40 to 320	10	50	400	10	50	
2SA1697	TO220ML	High-resolution CRT display, video output driver	200	200	3.0	0.2	10.0*	150	0.1	150	40 to 320	10	10	300	30	50	
2SC4474	TO220ML	High-resolution CRT display, video output driver	200	200	3.0	0.2	10.0*	150	0.1	150	40 to 320	10	10	300	30	50	
2SD1958	TO220ML	TV horizontal deflection output driver, high-power switch	200	60	6.0	4.5	30.0*	150	100.0	40	30 to 160	5	10 A	10	5	10 A	
2SC4478	TO220ML	High-resolution display horizontal deflection output driver	400	200	6.0	7.0	30.0*	150	100.0	250	> 15	1	10 A	< 0.3	-	-	

* T_C = 25 °C
† t_f (μs)

Notes Listed by package type and arranged in order of increasing P_C
FLP packages have standard radial taping

TV/CRT Display Application Transistors (II)

Device	Package type	Applications	Absolute maximum ratings						Electrical characteristics (T _a = 25 °C)								
			V _{CB0} (V)	V _{CEO} (V)	V _{EB0} (V)	I _C (A)	P _C (W)	T _J (°C)	V _{CE(sat)} @ I _C · I _B			h _{FE} @ V _{CE} · I _C			t _f max (μs)		
									V _{CE(sat)} (V)	I _C (A)	I _B (A)	h _{FE}	V _{CE} (V)	I _C (A)			
2SD1397	TO3PB	Horizontal deflection output driver (with damper diode)	1500	800	7	3.5	80*	150	8	2.5	0.8	> 8	5	0.5	0.4		
2SD1677	TO3PB	Color TV power supply	1500	800	6	5.0	100*	150	5	4.5	2.0	> 8	5	0.5	0.5		
2SD1398	TO3PB	Horizontal deflection output driver (with damper diode)	1500	800	7	5.0	120*	150	5	4.0	0.8	> 8	5	1.0	0.4		
2SD1399	TO3PB	Horizontal deflection output driver (with damper diode)	1500	800	7	6.0	120*	150	5	5.0	1.0	> 8	5	1.0	0.4		
2SD1402	TO3PB	Horizontal deflection output driver	1500	800	7	5.0	120*	150	5	4.0	0.8	> 8	5	1.0	0.4		
2SD1403	TO3PB	Horizontal deflection output driver	1500	800	7	6.0	120*	150	5	5.0	1.0	> 8	5	1.0	0.4		
2SD1649	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	2.5	50*	150	8	2.0	0.6	> 8	5	0.5	0.4		
2SD1650	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	3.5	50*	150	8	2.5	0.8	> 8	5	0.5	0.4		
2SD1654	TO3PML	Color TV horizontal deflection output driver	1500	800	6	3.5	50*	150	8	2.5	0.8	> 8	5	0.5	0.4		
2SD1710	TO3PML	Color TV horizontal deflection output driver	1500	800	6	5.0	50*	150	5	4.5	2.0	> 8	5	0.5	0.5		
2SD1711	TO3PML	Color TV horizontal deflection output driver	1500	800	6	5.0	50*	150	5	4.5	2.0	> 8	5	0.5	0.5		
2SD1876	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	3.0	50*	150	5	2.0	0.6	> 8	5	0.5	0.3		
2SD1877	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	4.0	50*	150	5	2.5	0.8	> 8	5	0.5	0.3		
2SD1882	TO3PML	Color TV horizontal deflection output driver	1500	800	6	3.0	50*	150	5	2.0	0.6	> 8	5	0.5	0.3		
2SD1883	TO3PML	Color TV horizontal deflection output driver	1500	800	6	4.0	50*	150	5	2.5	0.8	> 8	5	0.5	0.3		
2SD1651	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	5.0	60*	150	5	4.0	0.8	> 8	5	1.0	0.4		
2SD1652	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	6.0	60*	150	5	5.0	1.0	> 8	5	1.0	0.4		
2SD1655	TO3PML	Color TV horizontal deflection output driver	1500	800	6	5.0	60*	150	5	4.0	0.8	> 8	5	1.0	0.4		
2SD1656	TO3PML	Color TV horizontal deflection output driver	1500	800	6	6.0	60*	150	5	5.0	1.0	> 8	5	1.0	0.4		
2SD1878	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	5.0	60*	150	5	4.0	0.8	> 8	5	1.0	0.3		
2SD1879	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	6.0	60*	150	5	5.0	1.0	> 8	5	1.0	0.3		
2SD1884	TO3PML	Color TV horizontal deflection output driver	1500	800	6	5.0	60*	150	5	4.0	0.8	> 8	5	1.0	0.3		
2SD1885	TO3PML	Color TV horizontal deflection output driver	1500	800	6	6.0	60*	150	5	5.0	1.0	> 8	5	1.0	0.3		
2SD2251	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	7.0	60	150	5	5.0	1.0	> 8	5	1.0	0.3		
2SD2252	TO3PML	Color TV horizontal deflection output driver	1500	800	6	7.0	60	150	5	5.0	1.0	> 8	5	1.0	0.3		
2SD1880	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	8.0	70*	150	5	6.0	1.2	> 8	5	1.0	0.3		
2SD1881	TO3PML	Color TV horizontal deflection output driver (with damper diode)	1500	800	6	10.0	70*	150	5	8.0	1.6	> 8	5	1.0	0.3		
2SD1886	TO3PML	Color TV horizontal deflection output driver	1500	800	6	8.0	70*	150	5	6.0	1.2	> 8	5	1.0	0.3		
2SD1887	TO3PML	Color TV horizontal deflection output driver	1500	800	6	10.0	70*	150	5	8.0	1.6	> 8	5	1.0	0.3		

* T_C = 25 °C

Note Listed by package type and arranged in order of increasing P_C

TRANSISTORS

7997076 0014555 13T

81