

POWER TRANSISTORS

PNP POWER TRANSISTORS

Type No.	Absolute Maximum Ratings						Electrical Characteristics at $T_A = 25^\circ\text{C}$														
	P_C (W)	V_{CB0} (V)	V_{CE0} (V)	V_{EB0} (V)	I_C (A)	I_B (A)	I_{CB0} Max @ V_{CE} (mA) (V)		I_{EB0} Max @ V_{EB} (mA) (V)		$V_{(BR)CEO}$ Min @ I_C (V) (mA)		h_{FE} Min @ I_C @ V_{CE} (A) (V)			$V_{CE(sat)}$ Max. @ I_C @ I_B (V) (A) (mA)			f_T Typ. @ I_C @ V_{CE} (MHz) (A) (V)		
2SA1186	100	-150	-150	-5	-10	-2	-0.1	-150	-0.1	-5	-150	-25	30	-3	-4	-2	-5	-500	60	1	-12
2SA1215	150	-160	-160	-5	-15	-4	-0.1	-160	-0.1	-5	-160	-25	50	-5	-4	-2	-5	-500	50	2	-12
2SA1216	200	-180	-180	-5	-17	-5	-0.1	-180	-0.1	-5	-180	-25	30	-8	-4	-2	-8	-800	40	2	-12
2SA1262	30	-60	-60	-6	-4	-1	-0.1	-60	-0.1	-6	-60	-25	40	-1	-4	-0.6	-2	-200	15	0.2	-12
2SA1294	130	-230	-230	-5	-15	-4	-0.1	-230	-0.1	-5	-230	-25	40	-5	-4	-2	-5	-500	35	2	-12
2SA1295	200	-230	-230	-5	-17	-5	-0.1	-230	-0.1	-5	-230	-25	40	-5	-4	-2	-5	-500	35	2	-12
2SA1303	125	-150	-150	-5	-14	-3	-0.1	-150	-0.1	-5	-150	-25	50	-5	-4	-2	-5	-500	50	2	-12
2SA1386	130	-160	-160	-5	-15	-4	-0.1	-160	-0.1	-5	-160	-25	50	-5	-4	-2	-5	-500	40	2	-12
2SA1386A		-180	-180					-180													
2SA1488	25	-60	-60	-6	-4	-1	-0.1	-60	-0.1	-6	-60	-25	40	-1	-4	-0.5	-2	-200	15	0.2	-12
2SA1488A		-80	-80					-80													
2SA1489	60	-80	-80	-6	-6	-3	-0.1	-80	-0.1	-6	-80	-50	50	-2	-4	-1.5	-3	-200	20	0.5	-12
2SA1490	80	-120	-120	-6	-8	-3	-0.1	-120	-0.1	-6	-120	-50	50	-3	-4	-1.5	-3	-300	20	0.5	-12
2SA1491	100	-140	-140	-6	-10	-4	-0.1	-140	-0.1	-6	-140	-50	50	-3	-4	-2.0	-5	-500	20	0.5	-12
2SA1492	130	-180	-180	-6	-15	-4	-0.1	-180	-0.1	-6	-180	-50	50	-3	-4	-2.0	-5	-500	20	0.5	-12
2SA1493	150	-200	-200	-6	-15	-5	-0.1	-200	-0.1	-6	-200	-50	30	-5	-4	-3.0	-10	-1000	20	0.5	-12
2SA1494	200	-200	-200	-6	-17	-5	-0.1	-200	-0.1	-6	-200	-50	30	-8	-4	-2.5	-10	-1000	20	1	-12
2SA1567	35	-50	-50	-6	-12	-3	-0.1	-50	-0.01	-6	-50	-25	50	-6	-1	-0.35	-6	300	40	0.5	-12
2SA1568	35	-60	-60	-6	± 12	-3	-0.1	-60	-0.06	-6	-60	-25	50	-6	-1	-0.35	-6	-300	40	0.5	-12
2SA1643	25	-50	-35	-6	-7 (-12)	-1	-0.01	-50	-0.01	-6	-35	-10	50	-5	-2	-0.5	-5	-300	75	1	-12
2SA1667	25	-150	-150	-6	-2	-1	-0.01	-150	-0.01	-6	-150	-25	60	-0.7	-10	-1.0	-0.7	-70	20	0.2	-12
2SA1668		-200	-200					-200													
2SA1670	60	-80	-80	-6	-6	-3	-0.01	-80	-0.01	-6	-80	-50	50	-2	-4	-1.5	-2	-200	20	0.5	-12
2SA1671	75	-120	-120	-6	-8	-3	-0.01	-120	-0.01	-6	-120	-50	50	-3	-4	-1.5	-3	-300	20	0.5	-12
2SA1672	80	-140	-140	-6	-10	-4	-0.01	-140	-0.01	-6	-140	-50	50	-3	-4	-2.0	-5	-500	20	0.5	-12
2SA1673	85	-180	-180	-6	-15	-4	-0.01	-180	-0.01	-6	-180	-50	50	-3	-4	-2.0	-5	-500	20	0.5	-12
2SA1693	60	-80	-80	-6	-6	-3	-0.01	-80	-0.01	-6	-80	-50	50	-2	-4	-1.5	-2	-200	20	0.5	-12
2SA1694	80	-120	-120	-6	-8	-3	-0.01	-120	-0.01	-6	-120	-50	50	-3	-4	-1.5	-3	-300	20	0.5	-12
2SA1695	100	-140	-140	-6	-10	-4	-0.01	-140	-0.01	-6	-140	-50	50	-3	-4	-0.5	-5	-500	20	0.5	-12
2SA1725	30	-80	-80	-6	-6	-3	-0.01	-80	-0.01	-6	-80	-25	50	-2	-4	-0.5	-2	-200	20	0.5	-12
2SA1726	50	-80	-80	-6	-6	-3	-0.01	-80	-0.01	-6	-80	-25	50	-2	-4	-0.5	-2	-200	20	0.5	-12
2SA1746	60	-70	-50	-6	-12 (-20)	-4	-0.01	-70	-0.01	-6	-50	-25	50	-5	-1	-0.5	-5	-80	25	1	-12
2SA1859	20	-150	-150	-6	-2	-1	-0.01	-150	-0.01	-6	-150	-10	60	-0.7	-10	-1.0	-0.7	-70	60	0.7	-12
2SA1859A		-180	-180					-180													
2SA1860	80	-150	-150	-5	-14	-3	-0.1	-150	-0.1	-5	-150	-25	50	-5	-4	-2.0	-5	-500	50	2	-12

Note: I_C inside parentheses is a pulse current.

Sanken discrete devices are available from Allegro MicroSystems.
Contact local representative for additional information.