

3 POWER TRANSISTOR

ELECTRICAL CHARACTERISTICS (T_a = 25°C)

USE (Po)	TYPE	MAXIMUM RATINGS						ELECTRICAL CHARACTERISTICS (T _a = 25°C)										PACKAGE		
		V _{CEO} (V)	I _C (mA)	P _C (mW)	T _J (°C)	I _{CEO}		h _{FE}		V _{CE(sat)}		I _C		f _T (MHz)	Typ (MIN)		C _{ob} (pF)		Typ (Max)	
						I _{CE} (μA)	V _{CB} (V)	I _E (mA)	V _{CE} (V)	I _C (mA)	I _B (mA)	V _{CE} (V)	I _C (mA)		V _{CE} (V)	f (MHz)				
0.5W	KTA 1015/KTP 5514	-50	-150	400	125	-0.1	-50	0	70~400	-6	-2	-100	-10	(80)	-10	-1	4	-10	1	TO-92(C)
	KTC 1815/KTN 5014	50	150	400	125	0.1	60	0	70~700	6	2	100	10	(80)	10	1	2.0	10	1	TO-92(C)
1W	KTA 562TM/KTP 5513	-30	-500	500	150	-0.1	-35	0	70~240	-1	-100	-0.25	-10	200	-6	-20	13	-6	1	TO-92(C)
	KTC 1959/KTN 5013	30	500	500	150	0.1	35	0	70~240	1	100	0.25	10	300	6	20	7	6	1	TO-92(C)
2W	KTA 950/KTP 5512	-30	-800	600	150	-0.1	-35	0	100~320	-1	-100	-0.7	-20	120	-5	-10	19	-10	1	TO-92(C)
	KTC 2120/KTN 5012	30	800	600	150	0.1	35	0	100~320	1	100	0.5	20	120	5	10	13	10	1	TO-92(C)
3W	KTA 966A/KTP 5713A	-30	-2	1000	150	-0.1	-30	0	100~320	-2	-500	-2.0	-1.5A	120	-2	-500	48	-10	1	TO-92L
	KTC 2236A/KTN 5213A	30	2	1000	150	0.1	30	0	100~320	2	500	2.0	1.5A	120	2	500	30	10	1	TO-92L
5W	KTA 473/KTP 6710	-30	-3A	*10W	150	-1	-20	0	70~240	-2	-500	-0.8	-2A	100	-2	-500	40	-10	1	TO-220
	KTC 1173/KTN 6210	30	3A	*10W	150	1	20	0	70~240	2	500	0.8	2A	100	2	500	35	10	1	TO-220
20W	KTB 834/KTP 6714	-60	-3A	*30W	150	-100	-60	0	60~200	-5	-500	-1	-3A	9	-5	-500	150	-10	1	TO-220
	KTD 880/KTN 6214	60	3A	*30W	150	100	60	0	60~300	5	500	1	3A	3.0	5	500	70	10	1	TO-220
25W	KTB 596/KTP 6713	-80	-4A	*30W	150	-30	-80	0	40~240	-5	-500	-1.7	-3A	(3)	-5	-500	130	-10	1	TO-220
	KTD 526/KTN 6213	80	4A	*30W	150	30	80	0	40~240	5	500	1.5	3A	8	5	500	90	10	1	TO-220
30W	KTB 595/KTP 6712	-100	-5A	*40W	150	-100	-100	0	40~240	-5	-1A	-2.0	-4A	5	-5	-1A	270	-10	1	TO-220
	KTD 525/KTN 6212	100	5A	*40W	150	100	100	0	40~240	5	1A	2.0	4A	12	5	1A	100	10	1	TO-220
35W	KTB 686	-100	-6A	*60W	150	-10	-100	0	55~160	-5	-1A	-2.0	-4A	10	-5	-1A	270	-10	1	TO-3P
	KTD 716	100	6A	*60W	150	10	100	0	55~160	5	1A	2.0	4A	12	5	1A	100	10	1	TO-3P
50W *	KTB 688	-120	-8A	*80W	150	-10	-120	0	55~160	-5	-1A	-2.5	-5A	10	-5	-1A	280	-10	1	TO-3P
	KTD 718	120	8A	*80W	150	10	120	0	55~160	5	1A	2.5	5A	12	5	1A	170	10	1	TO-3P

* LOW PRICE ** T_C = 25°C

MEMO

POWER TRANSISTOR

USE (Po)	TYPE	MAXIMUM RATINGS						ELECTRICAL CHARACTERISTICS (T _s = 25°C)												PACKAGE	
		V _{CEO} (V)	I _C (A)	P _C (W) T _C =25°C	T _J (°C)	h _{FE}		f _T (MHz)	Typ (MIN)		C _{ob} (pF)	Typ (Max)									
						I _{CBO} (μA)	V _{CB} (V)		V _{CE} (V)	I _C (A)		V _{CE} (V)	I _C (A)	V _{CB} (V)	f (MHz)						
50W	KTA 1093	-120	8	80	150	-50	-120	0	55~240	-5	-1	-2	-4	-0.4	90	-10	-1	150	-10	1	TO-3P
	KTC 2563	120	8	80	150	50	120	0	55~240	5	1	2	4	0.4	90	10	1	90	10	1	TO-3P
70W	KTA 1146	-140	-10	100	150	-50	-140	0	55~240	-5	-1	-2	-5	-0.5	70	-10	-1	220	-10	1	TO-3P
	KTC 2706	140	10	100	150	50	140	0	55~240	5	1	2	5	0.5	90	10	1	130	10	1	TO-3P
70W ■	KTB 557	-120	-8	80	150	-100	-60	0	40~140	-5	-1	-2.5	-5	-0.5	7	-5	-	280	-10	1	TO-3
	KTD 427	120	8	80	150	100	60	0	40~140	5	1	2.5	5	0.5	5	5	1E	170	10	1	TO-3
80W	KTA 1094	-140	-12	120	150	-50	-140	0	55~240	-5	-1	-2	-5	-0.5	70	-10	-1	220	-10	1	TO-3P-II
	KTC 2564	140	12	120	150	50	140	0	55~240	5	1	2	5	0.5	90	10	1	130	10	1	TO-3P-II
80W *	KTB 755	-150	-12	120	150	-50	-150	0	55~160	-5	-1	-2	-5	-0.5	20	-10	-1	450	-10	1	TO-3P-II
	KTD 845	150	12	120	150	50	150	0	55~160	5	1	2	5	0.5	20	10	1	200	10	1	TO-3P-II
80W ■	KTB 681	-150	-12	100	150	-100	-100	0	40~140	-5	-1	-2.5	-5	-0.5	13	-10	-1	300	-10	1	TO-3
	KTD 551	150	12	100	150	100	100	0	40~140	5	1	2.5	5	0.5	15	10	1	250	10	1	TO-3
80W ○	KTA 1050A	-140	-12	120	150	-50	-140	0	55~240	-5	-1	-2	-5	-0.5	70	-10	-1	220	-10	1	TO-3
	KTC 2460A	140	12	120	150	50	140	0	55~240	5	1	2	5	0.5	90	10	1	130	10	1	TO-3
100W ○	KTA 1095	-160	-15	150	150	-50	-160	0	55~240	-5	-1	-2	-5	-0.5	60	-10	-1	350	-10	1	TO-3P-II
	KTC 2565	160	15	150	150	50	160	0	55~240	5	1	2	5	0.5	80	10	1	200	10	1	TO-3P-II
100W *	KTB 645	-200	-15	150	150	-100	-100	0	40~140	-5	-1	-2	-5	-0.5	12	-10	-1	450	-10	1	TO-3
	KTD 665	200	15	150	150	100	100	0	40~140	5	1	2	5	0.5	15	10	1	300	10	1	TO-3
100W ○	KTA 1051A	-160	-15	150	150	-10	-160	0	55~240	-5	-1	-2	-5	-0.5	60	-10	-1	350	-10	1	TO-3
	KTC 2461A	160	15	150	150	10	160	0	55~240	5	1	2	5	0.5	80	10	1	200	10	1	TO-3

* LOW PRICE ☆ HIGH f_T ○ SUPER HIGH f_T ■ CAN TYPE

MEMO