

TO-92 Type Transistors (Continued)

Device and Polarity		V _{CEO} (V)	I _C (A)	Condition		h _{FE}		Condition		V _{CE(sat)} , V _{BE(sat)} (V)		Condition		f _T (MHz)	
NPN	PNP			V _{CE} (V)	I _C (A)	MIN	MAX	I _C (mA)	I _B (mA)	MAX	MAX	V _{CE} (V)	I _C (mA)	MIN	TYP
KSP6802		40	1	1	500	50	1000	100	0.6	1.2	10	50	100		
2N4401	2N4403	40	0.6	1	150	100	300	500	50	0.75	2.6	10	20	200	
KSP2222	KSP2907	40	0.6	10	150	100	300	500	50	1.6	1.2	20	20	300	
A	2N4402	40	0.6	1	150	50	150	500	50	0.75	0.95	10	20	200	
2N4400	2N3905	40	0.2	1	10	50	150	50	5	0.3		20	10	250	
2N3904	2N3906	40	0.2	1	10	100	300	50	5	0.3	0.95	20	10	300	
KSP20	KSP70	40	0.1	10	5	40	400					10	5	125	
KSC1330		40	0.1	6	1	70	400	30	3	0.5		6	10	300	
KSD471A		30	1	1	100	70	400	1000	100	0.5	1.2	6	10	130	
KSP2222		30	0.6	10	150	100	300	500	50	1.6	2.6	20	20	250	
KSC921		30	0.1	10	2	40	240	10	1	0.6		10	1	100	
KSC839		30	0.10	12	2	40	400	10	1	0.4		10	1	80	
SS9011		30	0.03	5	1	28	198	10	1	0.3				200	
SS8050	SS8550	25	1.5		100	85	300	800	80	0.5	1.2	10	50	100	
	KSB564A	25	1		100	70	400	1000	100	0.5	1.2	10	10	110	
KSD227	KSA642	25	0.3		50	70	400	300	30	0.6					
KSP5172		25	0.1		10	100	500	10	1	0.25		2		120	
KSC184	KSA542	25	0.05		1	40	400	20	2	0.3		6	1	100	
KSD261	KSA643	20	0.5		100	40	400	500	50	0.4	1.3	1			
SS9013	SS9012	20	0.5		50	64	202	500	50	0.6	1.2				
KSD5019		2	1	500	140	600	2000	50	0.5		1	500		150	
KSD5041		20	5	2	500	180	600							150	

1.1.4 TO-92L Type Transistors

Device and Polarity		V _{CEO} (V)	I _C (A)	Condition		h _{FE}		Condition		V _{CE(sat)} , V _{BE(sat)} (V)		Condition		f _T (MHz)	
NPN	PNP			V _{CE} (V)	I _C (A)	MIN	MAX	I _C (mA)	I _B (mA)	MAX	MAX	V _{CE} (V)	I _C (mA)	MIN	TYP
KSC2328A	KSA928A	30	2	2	500	100	320	1500	30	2	1.2	2	500	120	
KSC2331	KSA931	60	0.7	2	50	40	240	500	50	0.7		10	50	100	
KSC2500		10	2	1	500	140	600	2000	50	0.5		1	500	150	

1.1.5 SOT-89 Type Transistors

Device and Polarity		V _{CEO} (V)	I _C (A)	Condition		h _{FE}		Condition		V _{CE(sat)} , V _{BE(sat)} (V)		Condition		f _T (MHz)	
NPN	PNP			V _{CE} (V)	I _C (A)	MIN	MAX	I _C (mA)	I _B (mA)	MAX	MAX	V _{CE} (V)	I _C (mA)	MIN	TYP
KSC2882	KSA1202	80	0.4	2	50	70	240	200	20	0.4		10	10	120	
KSC2883	KSA1203	30	1.5	2	500	100	320	1500	30	2		2	500	120	
KSC2884	KSA1204	30	0.8	1	100	100	320	500	20	0.7		5	10	110	
	KSB798	25	1	1	100	90	400	1000	100	0.4	1.2	6	10	150	
KSD1621	KSB1121	25	2	2	100	100	560	1500	75	0.6	1.2	10	50	150	
KSC2982		30	2	1	50	140	600	2000	50	0.5		1	500	150	

