

SOT-23 Transistors (Continued)

Device and Polarity(Marking)		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 (mA)	MIN	MAX	I _C (mA)	I _B (mA)	MAX	MAX	V _{CE} (V)	I _C (mA)	MIN	TYP
KST1009F2(F2)	KST4126(C3)	25	0.05	3	0.5	40	80	10	1	0.3		6	1	150	
KST1009F3(F3)		25	0.05	3	0.5	60	120	10	1	0.3		6	1	150	
KST1009F4(F4)		25	0.05	3	0.5	90	180	10	1	0.3		6	1	150	
KST1009F5(F5)		25	0.05	3	0.5	135	270	10	1	0.3	0.95	6	1	150	
KST4124(ZC)		25	0.2	1	2	120	360	50	5	0.3		20	10	300	
BCW31(D1)	BCW29(C1)	20	0.1	5	2	120	260	10	0.5	0.3					
		20	0.1	5	2	110	220	10	0.5	0.3					

1.1.2 TO-92S 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 (mA)	MIN	MAX	I _C (mA)	I _B (mA)	TYP	MAX	TYP	MAX	V _{CE} (V)	I _C (mA)	MIN	TYP	
KSC2710 KSC3488 KSD1020 KSD1021	KSA1150	20	0.5	1	100	40	400	500	50	0.3	0.4	1	1.3	6	10			
	KSA1378	25	0.3	1	50	70	400	300	30	0.35	0.6							
	KSA810	25	0.7	1	100	70	400	700	70	0.25	0.4	0.95	1.2	6	10	50	160	
	KSA811	25	1	0	100	70	400	1000	100		0.5		1.2	6	10		110	
			20	0.5	1	100	40	400	500	50	0.18	0.4						
			25	0.3	1	50	70	400	300	30	0.14	0.4						
			25	0.7	1	100	70	400	700	70	0.2	0.4	0.95	1.2	6	10	50	170
			30	1	1	100	70	400	1000	100		0.5		1.2	6	10		130

1.1.3 TO-92 Type Transistors

Device and Polarity(Marking)		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 (mA)	MIN	MAX	I _C (mA)	I _B (mA)	MAX	MAX	V _{CE} (V)	I _C (mA)	MIN	TYP
KSP06	KSP56	80	0.5	1	100	50		100	10	0.25		2	10	100	
KSP8099	KSP8599	80	0.5	5	1	100	300	100	10	0.3		5	10	150	
KSC2003	KSA954	80	0.3	1	50	90	400	300	30	0.6		6	10	50	100
KSD1616A	KSB1116A	60	1	2	100	135	400	1000	50	0.3		2	100	70	
KSC1008	KSA708	60	0.7	2	50	40	240	500	50	0.7		10	50		50
	KSP2907A	60	0.6	10	150	100	300	500	50	1.6		20	50	200	
KSP8098	KSP8598	60	0.5	5	1	100	300	100	10	0.3		5	10	150	
KSP05	KSP55	60	0.5	1	100	50		100	10	0.25		2	10	100	
KSC2002	KSA953	60	0.3	1	50	90	400	300	30	0.6		6	10	50	100
KSC853	KSA545	60	0.2	1	50	40	400	150	15	0.5					
KSD1616	KSB1116	50	1	2	100	135	600	1000	50	0.3		2	100	70	100
KSC1072	KSA707	45	0.7	2	50	40	240	500	50	0.7					
KSC815	KSA539	45	0.3	1	0.05	40	240	150	15	0.5					
SS9014	SS9015	45	0.1	5	1	60	1000	100	5	0.3		5	10	150	270