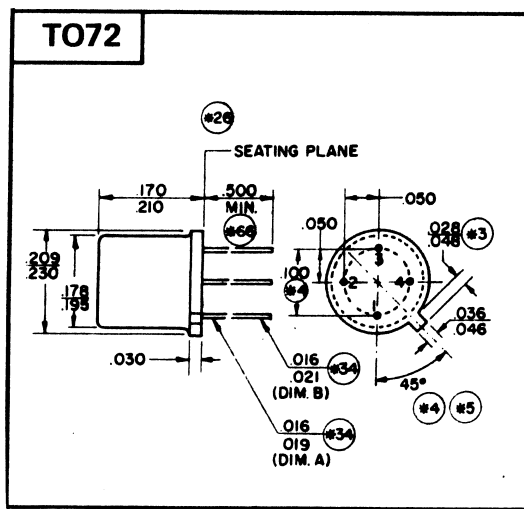


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Maximum Ratings						Electrical Characteristics (T _a =25°C, Unless Otherwise Specified)																		
Type No.	V _{CEO} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	P _D (W) @T _a =25°C	I _C (A)	I _{CEO} (μA) Max	V _{CE} (V) Max	I _{CE} (A) Max	V _{CE} (V) Max	h _{FE} Min	β Max	I _C & (mA)	V _{CE} (V) Max	V _{CE(SAT)} (V) & Max	V _{BE(SAT)} (V) & Max	I _C (mA) Max	C _{ob} (pF) Max	f _i (MHz) Min	β Typ	I _C (mA) Max	NF (dB) Max	Q Freq (MHz) Max	C _{re} (pF) Max	CDIL Case Style
2N3933	40	30	2.5	0.2		0.01	15			60	200	2	8				0.55	750	1600	2	4	200		TO-72
2N5179	20	12	2.5	0.2	0.05	0.02	15			25	250	3	1	0.4	1	10	1	900	2000	5	4.5	200		TO-72
2N617	30	15	3	0.2	0.05	1	15			20	200	3	1	0.4	1	10	2	6		4				TO-72
2N618	30	15	3	0.2	0.05	0.01	15			20		3	1	0.4	1	10	1.7	600		4				TO-72
2SC2570	25	12	3	0.6	0.07	0.1	15			40	200	20	10				0.9		5000	20	3	1000		TO-72-1
2SC568	30	15	3	0.2	0.02	0.1	15			30	250	2	6				1	2		5	5			TO-72
BF115	50	30	5	0.145	0.03					48	167	1	10					230		1				TO-72
										40		20	2											TO-72
BF167	40	30	4	0.15	0.03			0.05	10	30		4	10											TO-72-1
BF173	40	25	4	0.2	0.03					15		20	2						550	5	3.5	36		TO-72
										38		7	10											TO-72
BF180	30	20	3	0.15	0.02	0.1	20			13		2	10											TO-72
										6		12	7											TO-72
BF181	30	20	3	0.15	0.02	0.1	20			13		2	10											TO-72
										6		12	7											TO-72
BF182	25	20	3	0.15	0.02	0.4	15			10		2	10					650		2	3.3	0.33		TO-72-1
BF184	30	20	5	0.145	0.03					67	220	1	10	0.7	0.74	1		200		1	2	0.9		TO-72-1
																								TO-72-1
BF185	30	20	5	0.145	0.03					36	125	1	10	0.7	0.74	1		200	260	1	2	0.9		TO-72-1
																								TO-72-1
BF200	30	20	3	0.15	0.02	0.1	40			15		3	10											TO-72
										6		12	7											TO-72



CDIL Code Style	PIN 1	PIN 2	PIN 3	PIN 4
TO-72	Emitter	Base	Collector	Case
TO-72-1	Base	Emitter	Collector	Case
TO-72-2	Source	Drain	Gate	Case



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.