



RF-IF AMPS AND OSCILLATORS (Cont.)

NPN Transistors

Type No.	Case Style	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	I _{CBO} (nA) Max @ V _{CB} (V)	h _{FE} Min @ I _C (mA) & V _{CE} (V)	V _{CE(sat)} (V) Max & V _{BE(sat)} (V) Min	I _C (mA) @ V _{CE} (V)	C _{cb/Cre} (pF) Min Max	f _T (MHz) Min Max @ I _C (mA)	NF (dB) Max @ Freq (MHz)	Process No.
2SC461	TO-92(74)	30	30	5	500 18	35 200 2 12	1.1	10 2	3.5%			46
2SC463	TO-72	35	35	4	100 10	30 150 2 10		0.75	0.6	400 2	4 200	44
2SC464	TO-72	30	19	2	500 10	20 1 (1 KHz) 6	1	20	2.0%	600 10		42
2SC466	TO-72	30	19	2	500 10	20 1 (1 KHz) 6	1	20	2.0%	600 10		42
2SC535	TO-92(74)	30	20	4	500 10	35 200 1 6			1.2%	450 1	5.5 100	42
2SC562	TO-72(28)	40	30	4		40 4 10			0.22			45
2SC563	TO-72(28)	40	25	4		38 7 10			0.23			47
2SC682	TO-72	20	20	3	100 10	20 200 2 10			0.6%	400 2		44
2SC683	TO-72	20	20	3	100 10	20 200 2 10			0.6%	400 2	4 200	44
2SC684	TO-92(74)	30	19	2	500 10	40 10 10	1	20	2.0%	900 10		42
2SC717	TO-92(74)	30	19	2	500 10	40 1 6	1	20	2.0%	600 10		42
40235	TO-72	45		4.5	20 1 35	40 170 1 6			0.65		3.3%	216 42
40236	TO-72	45		4.5	20 1 35	40 275 1 6			0.65			42
40237	TO-72	45		4.5	20 1 35	27 275 1 6						42
40238	TO-72	45		4.5	20 1 35	40 170 1 6						42
40239	TO-72	45		4.5	20 1 35	27 100 1 6						47
40240	TO-72	45		4.5	20 1 35	27 275 1 6						42
40242	TO-72	45	45	4.5	20 1	40 170 1 6			0.65%		2.5%	100 42
40243	TO-72	45	45	4.5	20 1	40 170 1 6			0.65%			42
40244	TO-72	45	45	4.5	20 1	27 170 1 6			0.8%			42
40245	TO-72	45	45	4.5	20 1	70 275 1 6			0.65%			42
40246	TO-72	45	45	4.5	20 1	27 90 1 6			0.65%			42
40472	TO-72(28)	45		3	20 1 45	40 170 1 6			0.19%		3.3%	200 47
40473	TO-72(28)	45		3	20 1 45	40 275 1 6			0.19%			47
40474	TO-72(28)	45		3	20 1 45	27 275 1 6						47
40475	TO-72(28)	45		3	20 1 45	40 170 1 6			0.18%			47