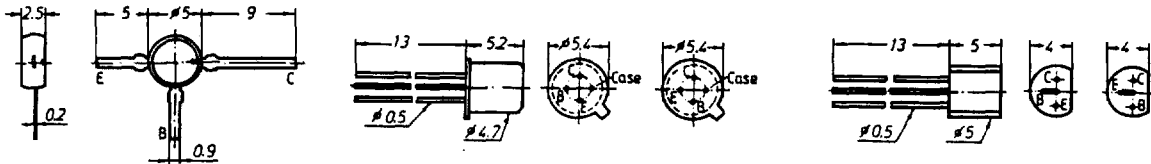


SMALL SIGNAL TRANSISTORS

SPECIAL TYPES



CASES: TO-50 TO-72 a / b TO-92 a / b

HIGH FREQUENCY TRANSISTORS

TYPE	FUNCTION	P <sub>tot</sub> @ T <sub>A</sub> =25°C (mW)	V <sub>CEO</sub> min. (V)	I <sub>C</sub> (mA)	f <sub>T</sub> @		NF @		G <sub>p</sub> typ.* (dB)	CASE
					typ.* (MHz)	I <sub>C</sub> min. (mA)	typ.* (dB)	I <sub>C</sub> & f <sub>T</sub> (MHz)		
BF 115	RF amp./mixer/osc.	165	30	30	150	1	1.2	1	-	TO-72b
BF 167	TV/IF AGC amp.	130	30	25	350	4	3	4	35	TO-72b
BF 173	TV/IF amplifier	200	25	25	550	5		7.2	36.6	TO-72b
BF 173S	TV/IF amplifier	200	25	25	900	7				TO-72b
BF 180	UHF AGC amplifier	200	20	20	700	2	7	2	800	TO-72a
BF 181	UHF osc./mixer	200	20	20	600	2	5	3	200	TO-72a
BF 184	AM/FM amplifier	165	30	30	250	1	6	1	100	TO-72b
BF 185	FM front-end tuner	165	30	30	250	1	6	1	100	TO-72b
BF 198	TV/IF AGC amplifier	300	32	25	265	4	3	4	35	TO-92b
BF 199	TV/IF amplifier	300	32	25	365	5				TO-92b
BF 200	VHF AGC amplifier	200	20	20	500*	2	8	3	200	22 * TO-72a
BF 214	AM/FM amplifier	165	30	30	250	1	6	1	100	TO-72b
BF 215	AM/FM amplifier	165	30	30	250	1	6	1	100	TO-72b
BF 240	FM/IF amplifier	300	42	25	265	1				TO-92b
BF 241	FM/IF amplifier	300	42	25	265	1				TO-92b
BF 254	AM/IF amplifier	220	20	30	150	1				TO-92b
BF 255	FM amplifier/mixer	220	20	30	150	1				TO-92b
BF 272A	UHF AGC amplifier	200	35	20	600	3	5	3	800	15 TO-72a
BF 272B	UHF AGC amplifier	200	35	20	600	3	3	3	900	15 TO-72a
BF 316A	UHF osc./mixer	200	35	20	600	3	5	3	800	12 TO-72a
BF 450	VHF osc./mixer	300	35	30	375	1	2.5	3	200	- TO-92b
BF 451	VHF osc./mixer	300	35	30	375	1	2.5	3	200	- TO-92b
BF 479	UHF/VHF amp./mixer	170	25	50	2000*	10	3.5	3	800	- TO-50
BF 506	VHF osc./mixer	300	35	30	400*	3	3 *	3	200	17 * TO-92a
BF 509	VHF AGC amplifier	300	35	30	700*	3	2.5 *	3	200	17 * TO-92a
BF 914	UHF/VHF f.-end amp.	300	35	25	850*	2	3.5	2	200	15 TO-92a
BFX 89	UHF/VHF amplifier	200	15	25	1000	25	6.5	2	500	17.5 TO-72a
BFY 90	UHF/VHF amplifier	200	15	25	1300	25	5	2	500	19.5 TO-72a
\$ BFW 90	UHF amplifier	700	20	150	3000*	100				9.5* TO-50
2N 918	VHF low noise amp.	200	15	50	600	4	5	1.5	200	13.5 TO-72a
2N 4957	UHF low noise amp.	200	20	30	1600*	10	2.6	2	450	- TO-72a
2N 4958	UHF low noise amp.	200	20	30	1500*	10	2.9	2	450	- TO-72a
2N 4959	UHF low noise amp.	200	20	30	1500*	10	3.2	2	450	- TO-72a
2N 5109	UHF power amplifier	1000	20	400	1200	50	3 *	70	200	- TO-39
2N 5109A	UHF power amplifier	1000	20	400	1000	50	3 *	70	200	- TO-39
2N 5109B	UHF power amplifier	1000	20	400	800	50	3 *	70	200	- TO-39
2N 5829	UHF low noise amp.	200	20	30	1200*	10	2.5	2	450	- TO-72a
2N 5835	UHF amplifier	200	10	15	2500	10				- TO-72a
2N 5836	UHF amplifier	360	10	200	2000	50				- TO-18a
\$ 2N 5837	UHF amplifier	750	5	300	1700	100				- TO-39

\$ Preliminary data

COMPLEMENTARY TRANSISTOR PAIRS

TYPE	P <sub>tot</sub> (1) (mW)	V <sub>CES</sub> min. (V)	V <sub>CEO</sub> min. (V)	I <sub>C</sub> (mA)	h <sub>FE</sub> min.-max.	I <sub>C</sub> (mA)	V <sub>CEsat</sub> max. (mV)	f <sub>T</sub> typ. (MHz)	C <sub>ob</sub> max. (pF)	CASE		
NPN												
BC 337	BC 327	625	50	45	800	100-630 (2)	100	700	500	100	12	TO-92a
BC 338	BC 328	625	30	20	800	100-630 (2)	100	700	500	100	12	TO-92a

COMPLEMENTARY DARLINGTON PAIRS

TYPE	P <sub>tot</sub> (1) (mW)	V <sub>CES</sub> min. (V)	V <sub>CEO</sub> min. (V)	I <sub>C</sub> (mA)	h <sub>FE</sub> min.-max.	I <sub>C</sub> (mA)	V <sub>CEsat</sub> max. (mV)	f <sub>T</sub> typ. (MHz)	C <sub>ob</sub> max. (pF)	CASE		
NPN												
BC 516	BC 517	625	40	30	400	30000	20	2000	350	220	4.5	TO-92a

Note : (1) With the leads kept at 25°C at 2 mm from case. (2) Different h<sub>FE</sub> groups: -16: 100 - 250