



Silect HF Transistors — 450 kHz to 800 MHz

Device Type (Case outline in brackets)	Maximum Ratings				hFE				f <sub>T</sub> MHz				N.F.		C <sub>re</sub> pF	Y <sub>fe</sub> mMho	Alternative Case Outlines	Application Notes NPN
	BV CBO	BV CEO	IC	PTOT	IC		VCE		IC		VCE		dB	fMHz				
	V	V	mA	mW	min.	max.	mA	V	min.	typ	mA	V						
BF594 (9)	30	20	30	250	65	220	1	10	—	260	1	10	4.0	100	0.95	—	BF594, 5, 6, 7 are "Lockfit" compatible	Radio and T.V. Sound I.F. amplifiers directly replaces BF194
BF595 (9)	30	20	30	250	35	125	1	10	—	200	1	10	4.0	100	0.95	—		Radio and T.V. Sound I.F. amplifiers directly replaces BF195
BF597 (9)	40	25	30	360	38	—	7	10	—	550	5	10	—	—	0.30	170		Video I.F. amplifier stages in T.V. directly replaces BF197
BF357K (8)	30	15	50	200	20	350	5	6	1200	2000	5	6	4	450	0.85	41		NPN Wide Band amplifiers up to 800 MHz Antenna amplifier for T.V. and f.m. Radio
BF576 (1)	20	15	50	200	30	—	10	10	—	1200	10	10	—	—	2.0	—	BF576TO5 (3)	PNP Wide band amps as above

PN Unijunction

Device Type (case outline in brackets)	BV EB2 V	IE PKA A	PTOT mW	R <sub>B1, B2</sub> kΩ		η		I <sub>P</sub> max.	V <sub>EB1</sub> (sat) max.	(mod) I <sub>B2</sub> mA min.	General purpose unijunction available in 4 selected η ranges A,B,C,D
				min.	max.	min.	max.				
TIS43 (10)	30	1.5	300	4.0	9.1	0.55	0.82	5μA	4.0	10	A=0.55-0.64; B=0.61-0.70 C=0.67-0.76; D=0.73-0.82