

SMALL-SIGNAL TRANSISTORS & DIODES & MEDIUM-POWER RECTIFIERS

Small-signal transistors

MEDIUM FREQUENCY TRANSISTORS

LEADED TYPES

type number	ratings			characteristics						package
	V_{CE0} max. (V)	I_C max. (mA)	P_{tot} max. (mW)	h_{FE} @ min./max.	I_C/V_{CE} (mA/V)	C_{re} typ. (pF)	f_T typ. (MHz)	F @ typ. (dB)	f (MHz)	
NPN										
BF199	25	25	500	38/-	7	0.30	550	-	-	TO-92
BF240	40	25	250	67/220	1	0.34	380	3.5	0.2	TO-92
BF370	15	100	500	40/-	10	1.6	500 ¹⁾	-	-	TO-92
BF494	20	30	300	115 typ.	1	0.85	260	4	100	TO-92
BF495	20	30	300	67 typ.	1	0.85	200	4	100	TO-92
BF496	20	20	300	12/-	2	0.80	550 ¹⁾	2	100	TO-92
BFR54	15	500 ²⁾	500	40/-	10	-	500 ¹⁾	-	-	TO-92
JF494	20	30	300	67/220	1	1	260	-	-	TO-92
PNP										
BF324	30	25	250	50 typ.	4/-	0.10 ³⁾	450	3	100	TO-92
BF450	40	25	250	62/200	1/-	0.35	325	2	100	TO-92

MEDIUM FREQUENCY TRANSISTORS

SURFACE-MOUNT TYPES

type number	ratings			characteristics						package
	V_{CE0} max. (V)	I_C max. (mA)	P_{tot} max. (mW)	h_{FE} @ min./max.	I_C/V_{CE} (mA/V)	C_{re} typ. (pF)	f_T typ. (MHz)	F @ typ. (dB)	f (MHz)	
NPN										
BF840	40	25	250	-	-	0.3	380	1.5	0.2	SOT23
BF841	40	25	250	-	-	0.3	380	2.0	0.2	SOT23
BFS19	20	30	250	65/225	1/10	0.85	260	4.0	100	SOT23
BFS20	20	25	250	40/85	7/10	0.35	450	-	-	SOT23
PNP										
BF550	40	25	250	50/-	1/10	0.5	325	2.0	0.1	SOT23
BF579	20	25	250	20/-	10/10	0.46	1350	4.5	800	SOT23
BF824	30	25	250	-	-	0.1	450	3.0	100	SOT23
BF824W	30	25	200	-	-	0.1	450	3.0	100	SOT323

Notes (both tables)

1) minimum value

2) I_{CM}

3) C_{br}