

## Small-signal Transistors

## Selection guide

## LEADED DEVICES (continued)

## NPN POWER DARLINGTON TRANSISTORS

TYPE NUMBER	PACKAGE	V <sub>CES</sub> max. (V)	I <sub>C</sub> max. (mA)	P <sub>tot</sub> max. (mW)	h <sub>FE</sub> min.	h <sub>FE</sub> max.	f <sub>T</sub> min. (MHz)	t <sub>off</sub> max. (ns)	PNP COMPL.	PAGE
BDX42	TO-126	45	1000	1250	2000	>2000	200 typ.	–	BDX45	516
BDX43	TO-126	60	1000	1250	2000	>2000	200 typ.	–	–	516
BDX44	TO-126	80	1000	1250	2000	>2000	200 typ.	–	BDX47	516

## PNP POWER DARLINGTON TRANSISTORS

TYPE NUMBER	PACKAGE	V <sub>CES</sub> max. (V)	I <sub>C</sub> max. (mA)	P <sub>tot</sub> max. (mW)	h <sub>FE</sub> min.	h <sub>FE</sub> max.	f <sub>T</sub> min. (MHz)	t <sub>off</sub> max. (ns)	NPN COMPL.	PAGE
BDX45	TO-126	45	1000	1250	2000	>2000	200 typ.	–	BDX42	520
BDX47	TO-126	80	1000	1250	2000	>2000	200 typ.	–	BDX44	520

## LEADED DEVICES (continued)

## NPN MEDIUM-FREQUENCY TRANSISTORS

TYPE NUMBER	PACKAGE	V <sub>CEO</sub> max. (V)	I <sub>C</sub> max. (mA)	P <sub>tot</sub> max. (mW)	h <sub>FE</sub> min.	h <sub>FE</sub> max.	f <sub>T</sub> min. (MHz)	PAGE
BF199	TO-92	25	25	500	38	>38	550 typ.	542
BF240	TO-92	40	25	300	67	220	150	526
BF240B	TO-92	40	25	300	100	220	150	526
BF370	TO-92	15	100	500	40	>40	490	530
BF370R	TO-92	15	100	500	40	>40	490	530
BF494	TO-92	20	30	300	67	220	120	556
BF494B	TO-92	20	30	300	100	220	120	556
BF495	TO-92	20	30	300	35	125	120	556
BF495B	TO-92	20	30	300	11	125	120	556
BFR54	TO-92	15	100	500	40	>40	500	596

## PNP MEDIUM-FREQUENCY TRANSISTORS

TYPE NUMBER	PACKAGE	V <sub>CEO</sub> max. (V)	I <sub>C</sub> max. (mA)	P <sub>tot</sub> max. (mW)	h <sub>FE</sub> min.	h <sub>FE</sub> max.	f <sub>T</sub> min. (MHz)	PAGE
BF324	TO-92	30	25	300	25	>25	450 typ	528
BF450	TO-92	40	25	300	50	>50	350	542