

## Breakout parts

The OrCAD libraries supply passive and semiconductor parts with default model definitions that define a basic set of model parameters. This way, you can easily:

- assign device and lot tolerances to model parameters for Monte Carlo and sensitivity/worst-case analyses,
- define temperature coefficients, and
- define device-specific operating temperatures.

These are called breakout parts and are summarized in the following table.

Table 8 *Breakout parts*

Use this breakout part...	For this device type...	Which is this PSpice device letter...
BBREAK	GaAsFET	B
CBREAK	capacitor	C
DBREAK <sub>x</sub> *	diode	D
JBREAK <sub>x</sub> *	JFET	J
KBREAK	inductor coupling	K
LBREAK	inductor	L
MBREAK <sub>x</sub> *	MOSFET	M
QBREAK <sub>x</sub> *	bipolar transistor	Q
RBREAK	resistor	R
SBREAK	voltage-controlled switch	S
TBREAK	transmission line	T
WBREAK	current-controlled switch	W
XFRM_NONLINEAR	transformer	K and L
ZBREAKN	IGBT	Z

\* For this device type, the OrCAD libraries supply several breakout parts. Refer to the online *OrCAD PSpice Reference Manual* for the available parts.

To find out more about models, see [What are models? on page 4-87](#).

To find out more about Monte Carlo and sensitivity/worst-case analyses, see [Chapter 12, Monte Carlo and sensitivity/worst-case analyses](#).

To find out more about setting temperature parameters, see the *Analog Devices* chapter in the online *OrCAD PSpice A/D Reference Manual* and find the device type that you are interested in.

To find out more about how to use these parts and define their properties, look up the corresponding PSpice device letter in the *Analog Devices* chapter of the online *OrCAD PSpice A/D Reference Manual*, and then look in the *Capture Parts* section.