

DESCRIPTION

The MMBR5179LT1 is a low noise, high gain, discrete silicon bipolar transistors housed in low cost plastic packages.

IMPORTANT: For the most current data, consult *MICROSEMI's* website: <http://www.microsemi.com>

KEY FEATURES

- ✎ High FTau-1.4GHz
- ✎ Low noise-4.5dB@200MHz
- ✎ Low cost SOT23 package

APPLICATIONS/BENEFITS

- ✎ LNA, Oscillator, Pre-Driver



SOT-23
MMBR5179LT1

THERMAL DATA

R_{TH(j-c)}	Junction-Case Thermal Resistance	200	C/W
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STATIC ELECTRICAL SPECIFICATIONS (TCASE = 25°C)

Symbol	Test	Conditions				Units
			Min.	Typ.	Max.	
BV_{CBO}	I _C = .01mA	I _E = 0	20			V
BV_{CEO}	I _C = 3mA	I _B = 0	12			V
I_{CBO}	V _{EB} = 15V	I _E = 0			0.02	uA
h_{FE}	V _{CB} = 1 V	I _C = 3 mA	25			

DYNAMIC ELECTRICAL SPECIFICATIONS (TCASE = 25°C)

Symbol	Test	Conditions				Units
			Min.	Typ.	Max.	
C_{CB}	V _{CB} = 10 V	f = 1.0 MHz			1.0	pF
FTau	V _{CE} = 6 V	I _C = 5 mA	f = 200MHz		1.4	GHz
NF	V _{CE} = 6 V	I _C = 1.5 mA	f = 200MHz		4.5	dB
Gpe	V _{CE} = 6 V	I _C = 5 mA	f = 200MHz		14	dB