

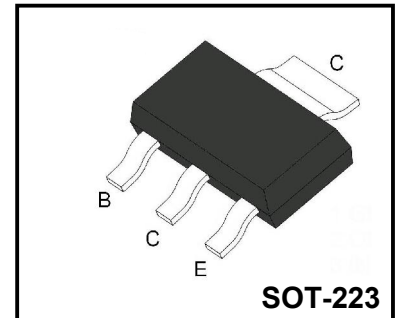
**PNP Plastic-Encapsulate Transistors**

**Applications**

- ♣ Audio power amplifier
- ♣ DC-DC convertor
- ♣ Voltage regulator

**Features**

- ♣ Low saturation voltage
- ♣ High current output up to -3A
- ♣ Complement to FZT882



**Absolute Maximum Rating (Ta=25°C)**

Parameter	Symbol	Value	Unit
Collector-Base Voltage	$BV_{CBO}$	-40	V
Collector-Emitter Voltage	$BV_{CEO}$	-30	V
Emitter-Base Voltage	$BV_{EBO}$	-6	V
Collector Current	$I_C$	-3	A
Collector Power Dissipation	$P_C$	1.25	W
Junction Temperature	$T_j$	150	°C
Storage Temperature	$T_{stg}$	-55~150	°C

**Electrical Characteristics (Ta=25°C)**

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$BV_{CBO}$	$I_C = -100\mu A, I_E = 0$	-40			V
Collector-emitter breakdown voltage	$BV_{CEO}$	$I_C = -10mA, I_B = 0$	-30			V
Emitter-base breakdown voltage	$BV_{EBO}$	$I_E = -100\mu A, I_C = 0$	-5			V
Collector cut-off current	$I_{CBO}$	$V_{CB} = -40V, I_E = 0$			-10	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -5V, I_C = 0$			-10	$\mu A$
DC current gain	$h_{FE1}$	$V_{CE} = -2V, I_B = -20mA$	50			
	$h_{FE2}$	$V_{CE} = -2V, I_B = -1A$	100		400	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -2A, I_B = -0.2A$			-0.5	V
Base -emitter saturation voltage	$V_{BE(sat)}$	$I_C = -2A, I_B = -0.2A$			-2.0	V
Transition frequency	$f_T$	$V_{CE} = -5V, I_B = -0.1A$	50			MHz

Note \*Pulse Test:  $PW \leq 350\mu s$ , Duty Cycle  $\leq 2\%$

**hFE Classification**

Classification	Q	P	E
hFE	100-200	160-320	200-400

Typical Characteristics

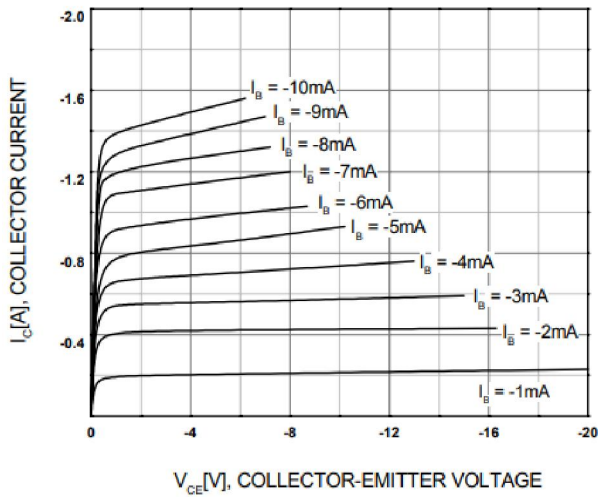


Figure 1. Static Characteristic

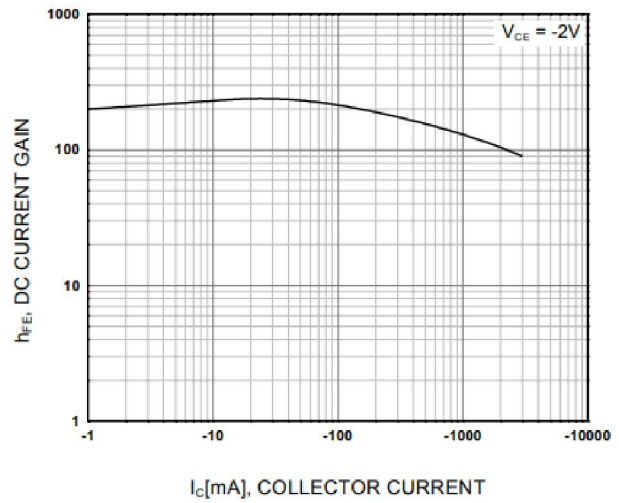


Figure 2. DC current Gain

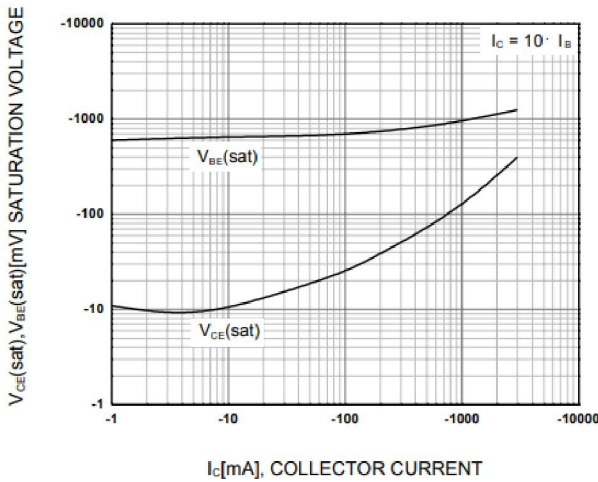


Figure 3. Base-Emitter Saturation Voltage  
Collector-Emmitter Saturation Voltage

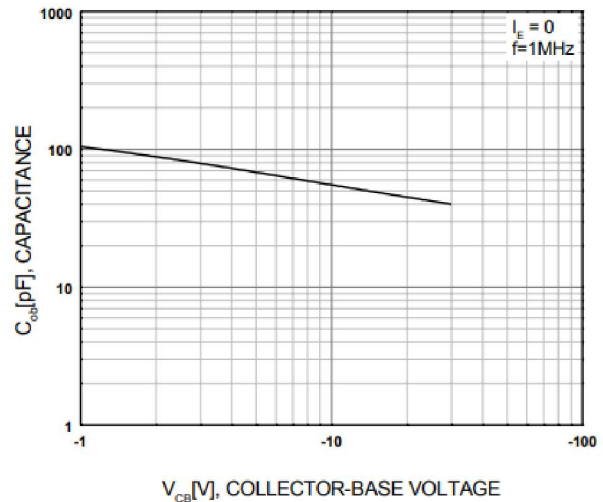


Figure 4. Collector Output Capacitance

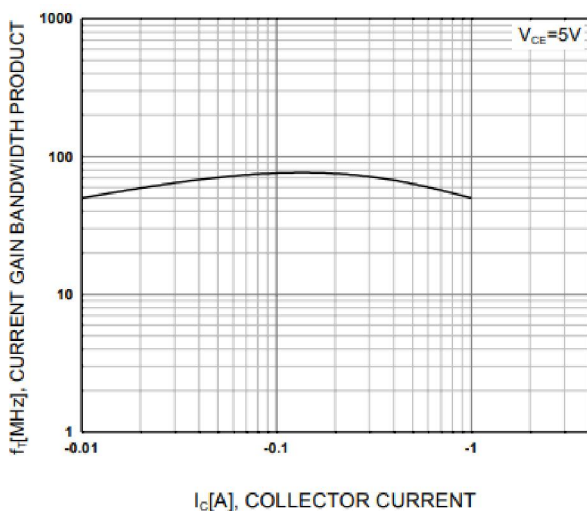


Figure 5. Current Gain Bandwidth Product

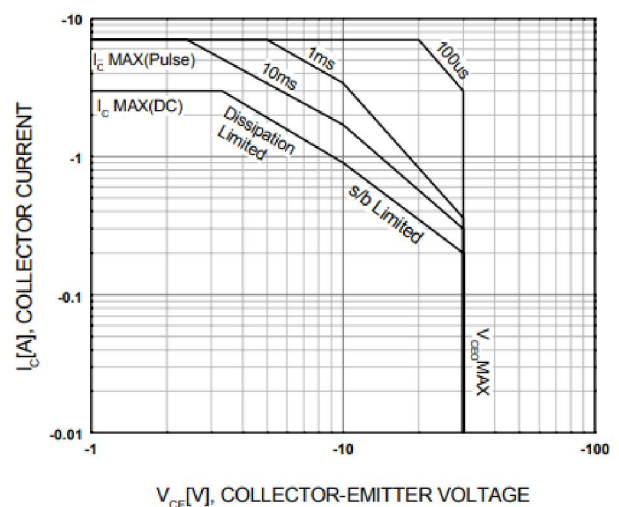


Figure 6. Power Derating

Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	1.50	1.80	0.059	0.071
A1	0.00	0.10	0.000	0.004
A2	1.50	1.70	0.059	0.067
b	0.65	0.75	0.026	0.030
c	0.20	0.30	0.008	0.012
D	6.40	6.60	0.252	0.260
D1	2.90	3.10	0.114	0.122
E	3.30	3.70	0.130	0.146
E1	6.85	7.15	0.270	0.281
e	2.20	2.40	0.087	0.094
e1	4.40	4.80	0.173	0.189
L	1.65	1.85	0.065	0.073
L1	0.90	1.15	0.035	0.045

**Summary of Packing Options**

Package	Package Description	Packing Quantity	Industry Standard
SOT-223	Tape/Reel,13"reel	4000	EIA-481-1