



Micro Commercial Components



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2SB1261

PNP Silicon Epitaxial Transistors

Features

- Low Collector Saturation Voltage
- Excellent current-to-gain characteristics
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

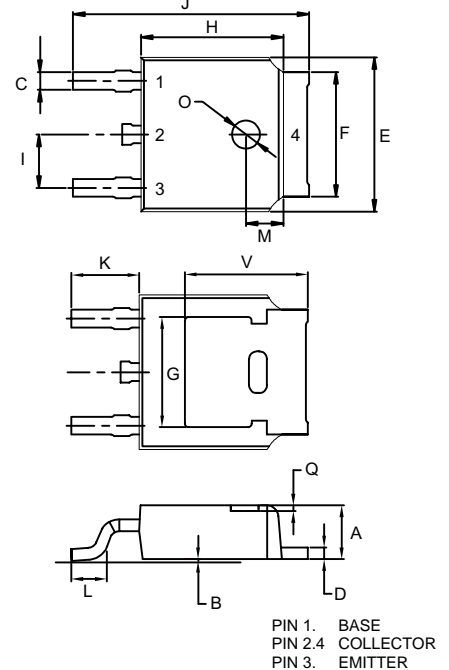
Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-60	V
V_{CBO}	Collector-Base Voltage	-60	V
V_{EBO}	Emitter-Base Voltage	-7.0	V
I_C	Collector Current	-3.0	A
P_C	Collector power dissipation	1.0	W
T_J	Junction Temperature	150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

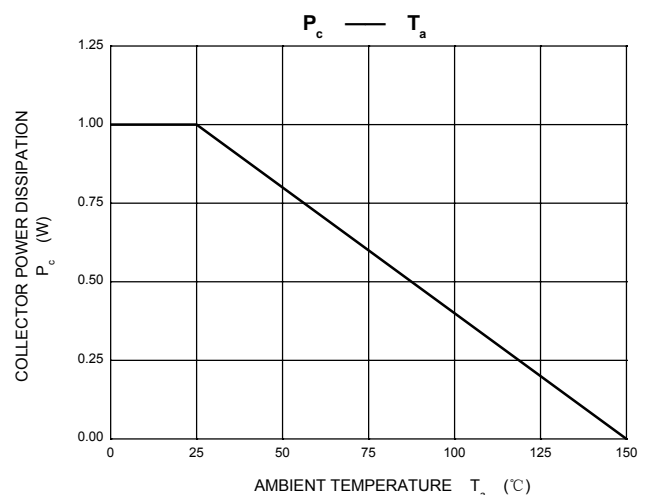
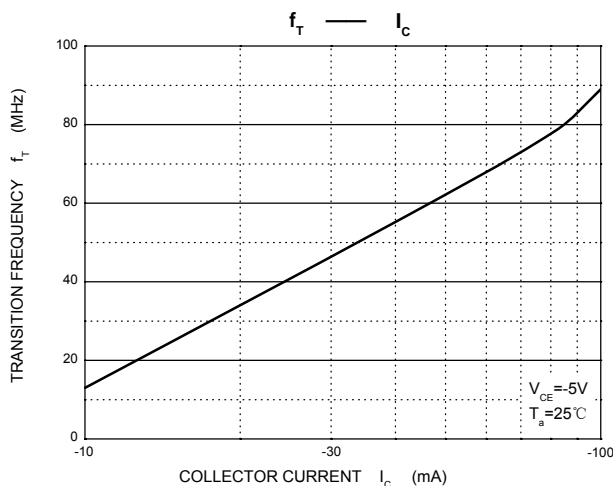
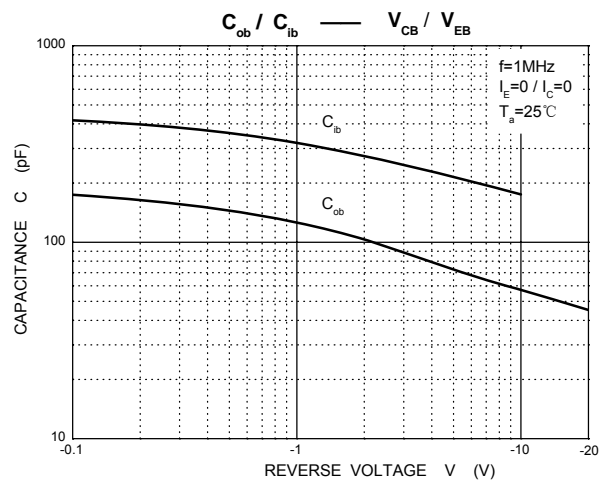
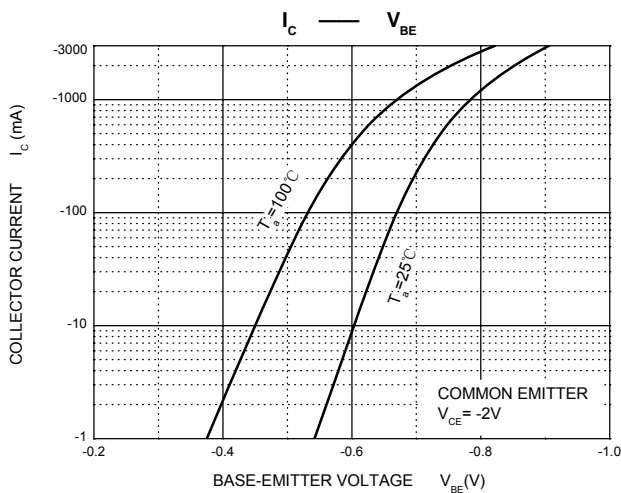
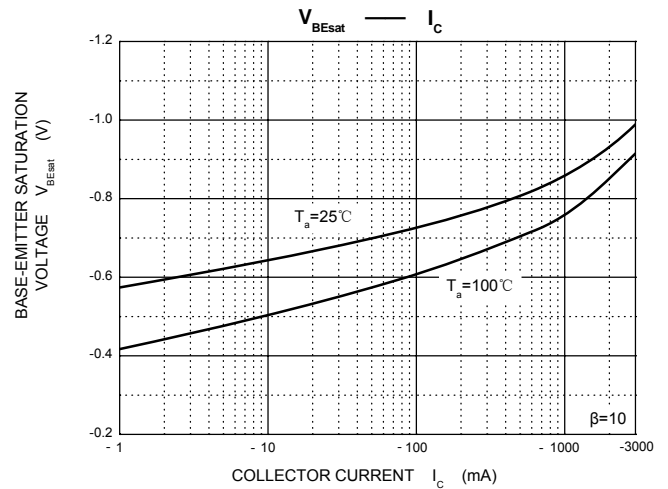
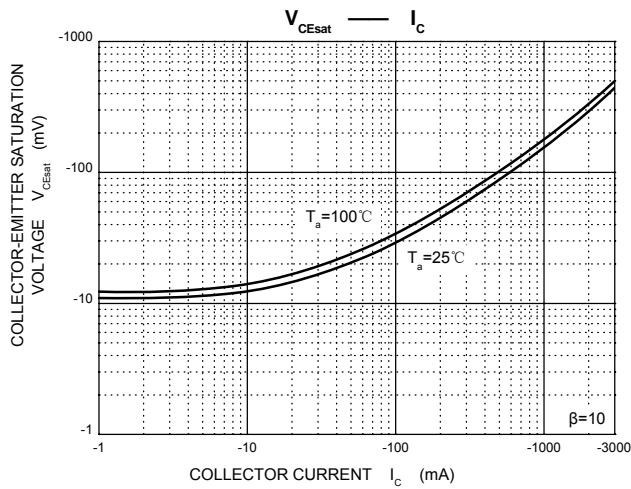
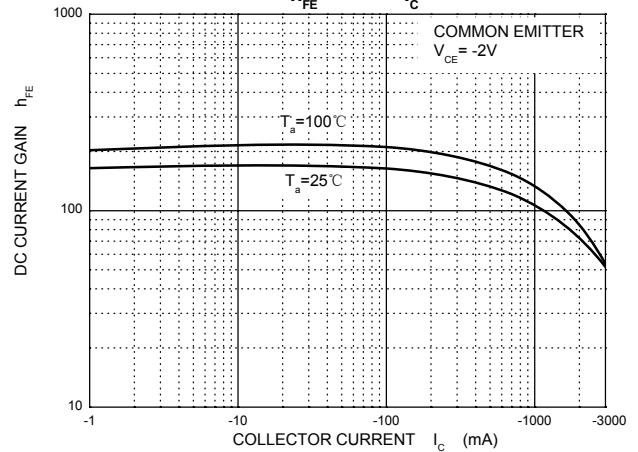
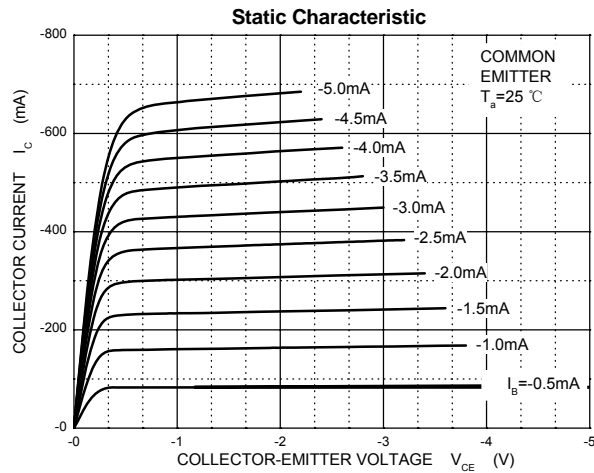
Symbol	Parameter	Min	Typ	Max	Units
$V_{(BR)CBO}$	Collector-base Breakdown Voltage ($I_C=-100\mu A, I_E=0$)	-60	---	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=-1mA, I_B=0$)	-60	---	---	Vdc
$V_{(BR)EBO}$	Emitter-base Breakdown Voltage ($I_E=-100\mu A, I_C=0$)	-7	---	---	Vdc
I_{CBO}	Collector-Base Cutoff Current ($V_{CB}=-60Vdc, I_E=0$)	---	---	-10	μA
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB}=-7Vdc, I_C=0$)	---	---	-10	μA
$h_{FE(1)}$	DC Current Gain ($I_C=-0.2A, V_{CE}=-2.0Vdc$)	60	---	---	---
$h_{FE(2)}$	DC Current Gain ($I_C=-0.6A, V_{CE}=-2.0Vdc$)	100	---	200	---
$h_{FE(3)}$	DC Current Gain ($I_C=-2A, V_{CE}=-2.0Vdc$)	50	---	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=-1.5A, I_B=-150mA$)	---	---	-0.3	Vdc
$V_{BE(sat)}$	Base-emitter saturation voltage ($I_C=-1.5A, I_B=-150mA$)	---	---	-1.2	Vdc
f_T	Transition Frequency ($V_{CE}=-5Vdc, I_C=-1.5A$)	---	50	---	MHz
C_{ob}	Collector output capacitance ($V_{CB}=-10Vdc, I_E=0, f=1.0MHz$)	---	40	---	pF

DPAK



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.087	0.094	2.20	2.40	
B	0.000	0.005	0.00	0.13	
C	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		
H	0.236	0.244	6.00	6.20	
I	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.114		2.90		
L	0.055	0.067	1.40	1.70	
M	0.063		1.60		
O	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.211		5.35		





TM

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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5 Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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