



HSB1426

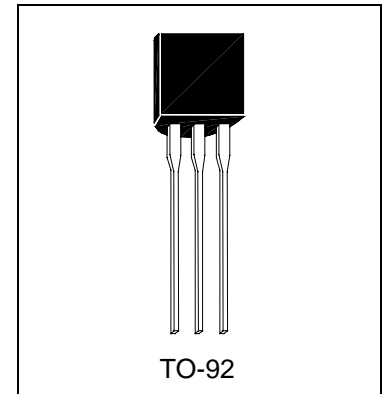
PNP EPITAXIAL PLANAR TRANSISTOR

Description

DC-DC Converter

Features

- Low Collector to Emitter Saturation Voltage



Absolute Maximum Ratings

- Maximum Temperatures
Storage Temperature -55 ~ +150 °C
Junction Temperature +150 °C Maximum
- Maximum Power Dissipation
Total Power Dissipation (Ta=25°C) 750 mW
- Maximum Voltages and Currents (Ta=25°C)
VCBO Collector to Base Voltage -20 V
VCEO Collector to Emitter Voltage -20 V
VEBO Emitter to Base Voltage -6 V
IC Collector Current -3 A

Characteristics (Ta=25°C)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-20	-	-	V	IC=-50uA, IE=0
BVCEO	-20	-	-	V	IC=-1mA, IB=0
BVEBO	-6	-	-	V	IE=-10uA, IC=0
ICBO	-	-	-100	nA	VCB=-20V, IE=0
IEBO	-	-	-100	nA	VEB=-5V, IC=0
*VCE(sat)	-	-	-500	mV	IC=-2A, IB=-0.1A
*hFE	82	-	390		VCE=-2V, IC=-100mA
fT	-	240	-	MHz	VCE=-2V, IC=-500mA, f=100MHz
Cob	-	35	-	pF	VCB=-10V, IE=0, f=1MHz

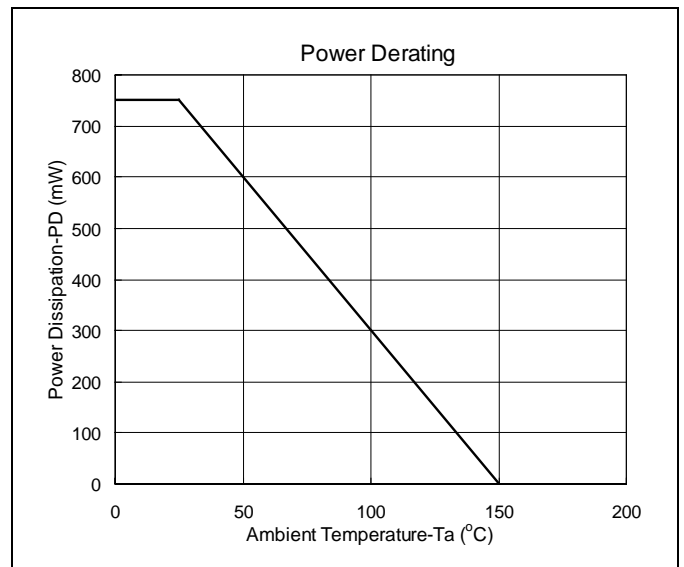
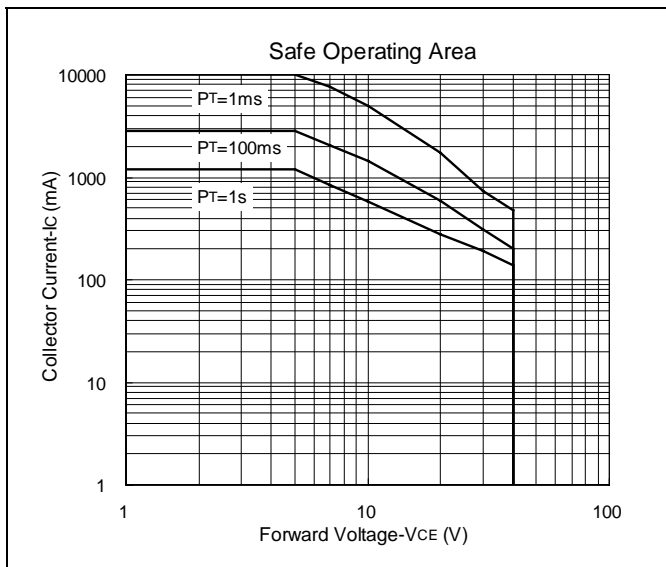
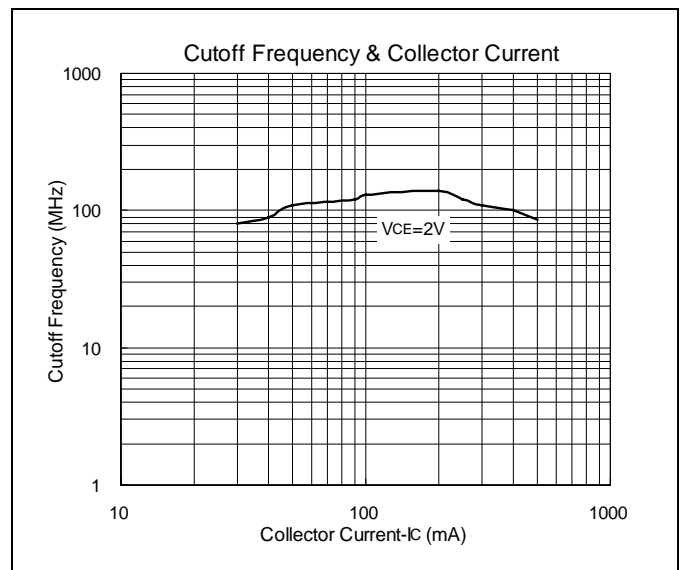
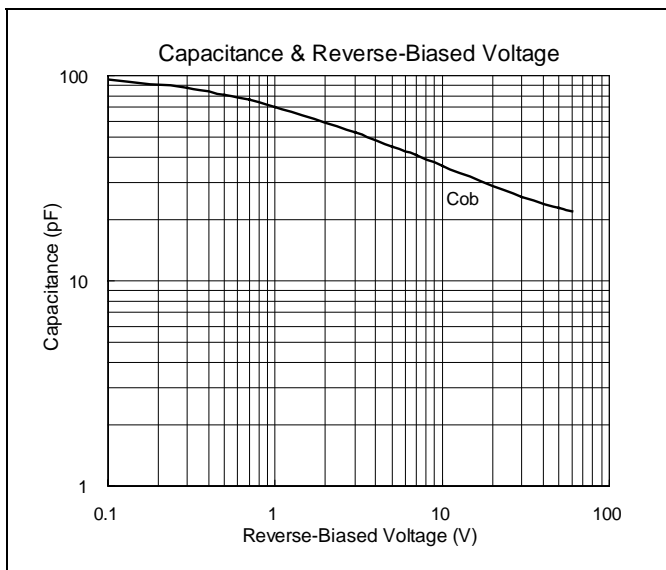
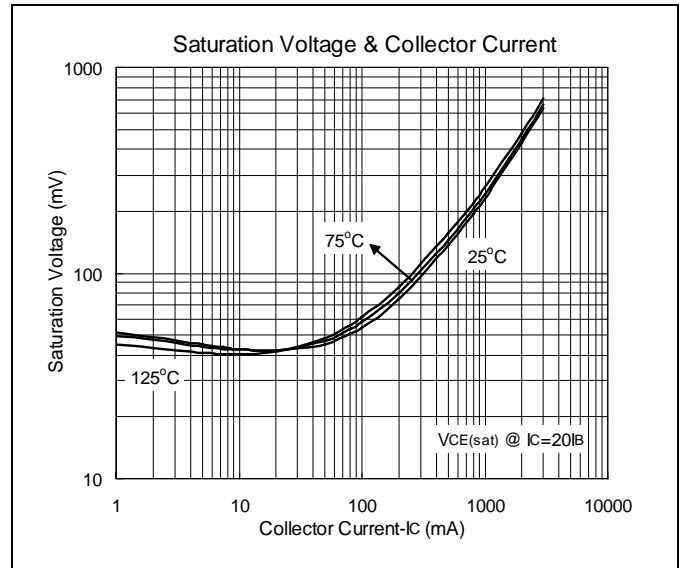
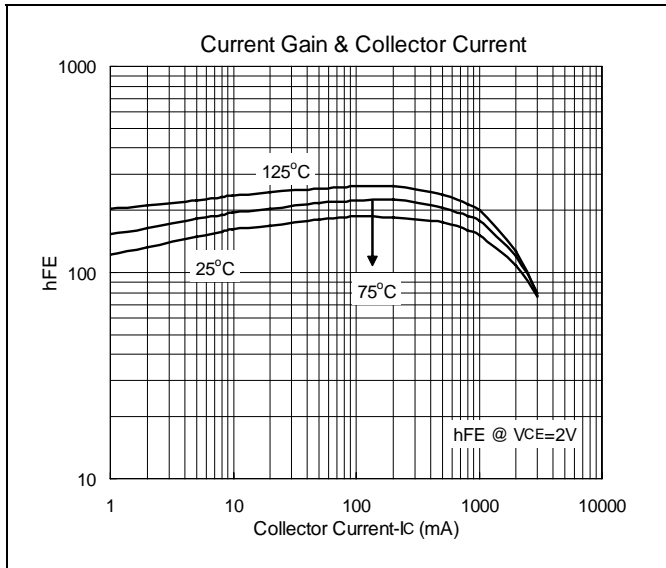
*Pulse Test: Pulse Width ≤380us, Duty Cycle≤2%

Classification Of hFE1

Rank	P	Q	R
Range	82-180	120-270	180-390

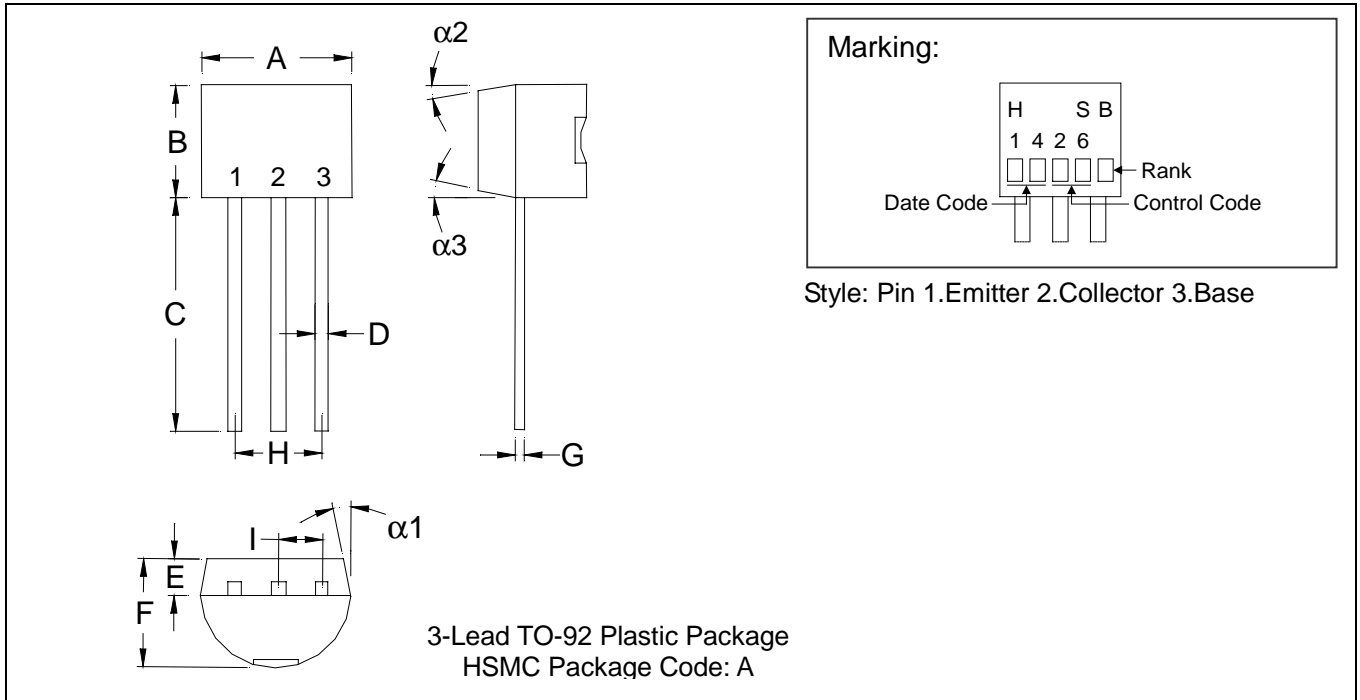


Characteristics Curve





TO-92 Dimension



*: Typical

DIM	Inches		Millimeters		DIM	Inches		Millimeters	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
A	0.1704	0.1902	4.33	4.83	G	0.0142	0.0220	0.36	0.56
B	0.1704	0.1902	4.33	4.83	H	-	*0.1000	-	*2.54
C	0.5000	-	12.70	-	I	-	*0.0500	-	*1.27
D	0.0142	0.0220	0.36	0.56	$\alpha 1$	-	*5°	-	*5°
E	-	*0.0500	-	*1.27	$\alpha 2$	-	*2°	-	*2°
F	0.1323	0.1480	3.36	3.76	$\alpha 3$	-	*2°	-	*2°

- Notes:**
- 1.Dimension and tolerance based on our Spec. dated Apr. 25,1996.
 - 2.Controlling dimension: millimeters.
 - 3.Maximum lead thickness includes lead finish thickness, and minimum lead thickness is the minimum thickness of base material.
 - 4.If there is any question with packing specification or packing method, please contact your local HSMC sales office.

Material:

- Lead: 42 Alloy; solder plating
- Mold Compound: Epoxy resin family, flammability solid burning class: UL94V-0

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