

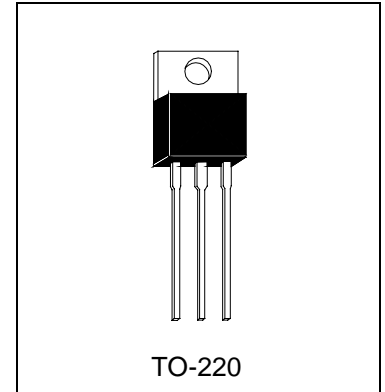


# H2584

PNP EPITAXIAL PLANAR TRANSISTOR

## Description

The H2584 is designed for use in low voltage and low dropout regulator applications.



## Absolute Maximum Ratings

- Maximum Temperatures  
 Storage Temperature ..... -55 ~ +150 °C  
 Junction Temperature ..... 150 °C Maximum
- Maximum Power Dissipation  
 Total Power Dissipation (Tc=25°C) ..... 65 W
- Maximum Voltages and Currents (Ta=25°C)  
 VCBO Collector to Base Voltage ..... -20 V  
 VCEO Collector to Emitter Voltage ..... -15 V  
 VEBO Emitter to Base Voltage ..... -5 V  
 IC Collector Current ..... -10 A

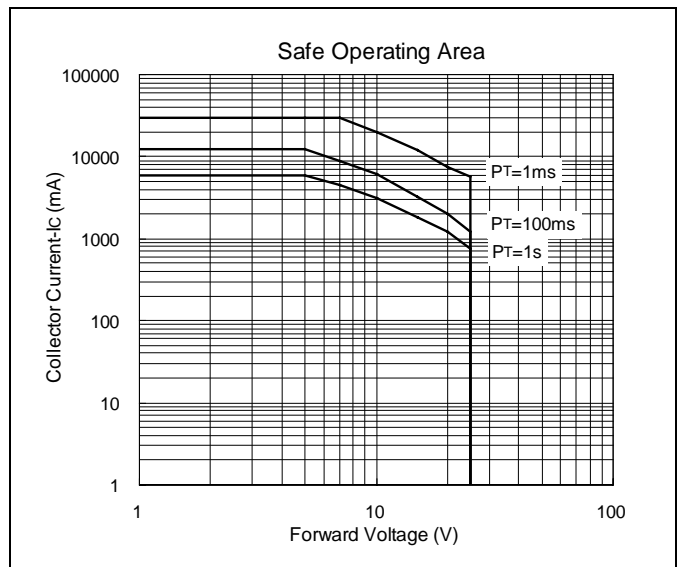
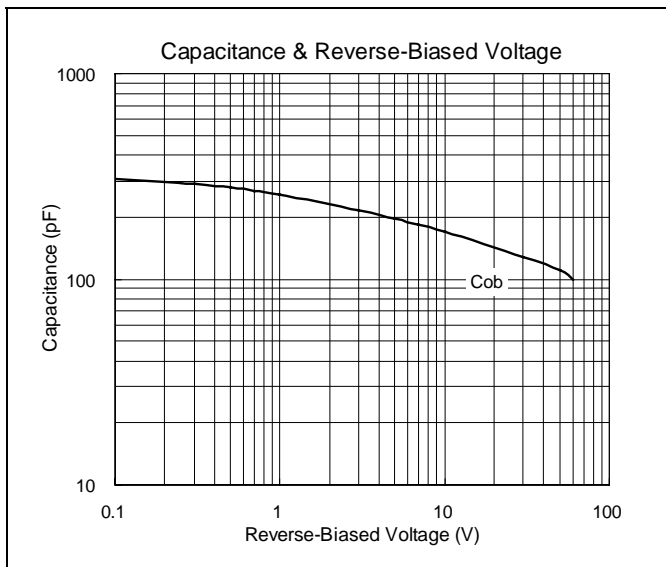
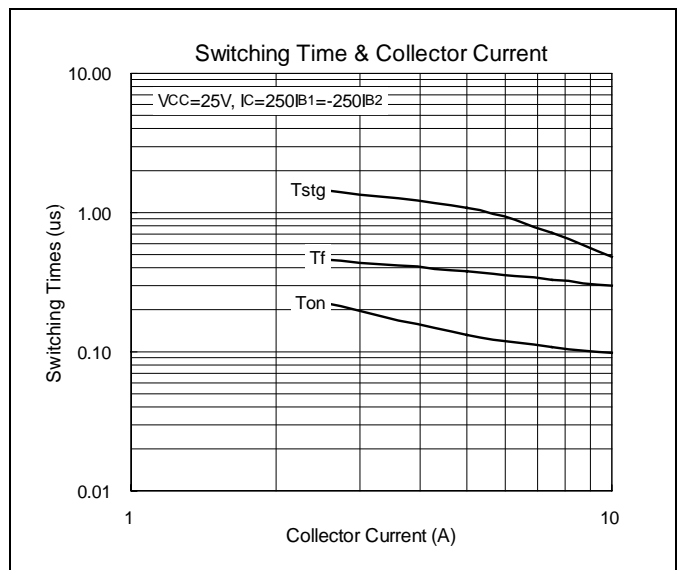
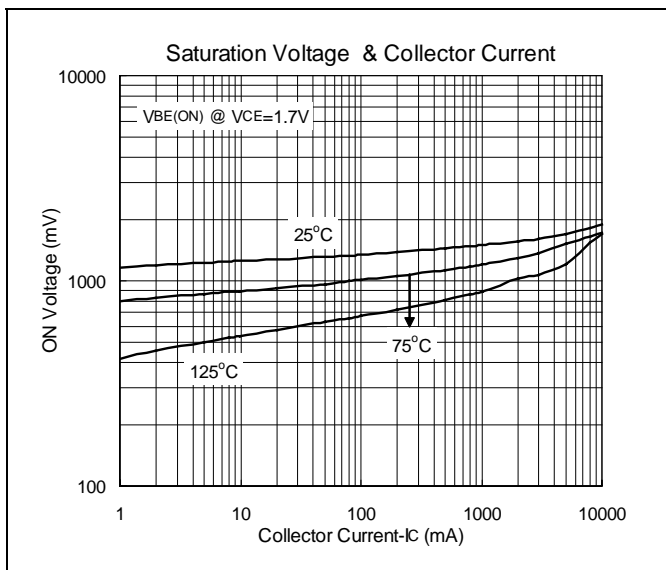
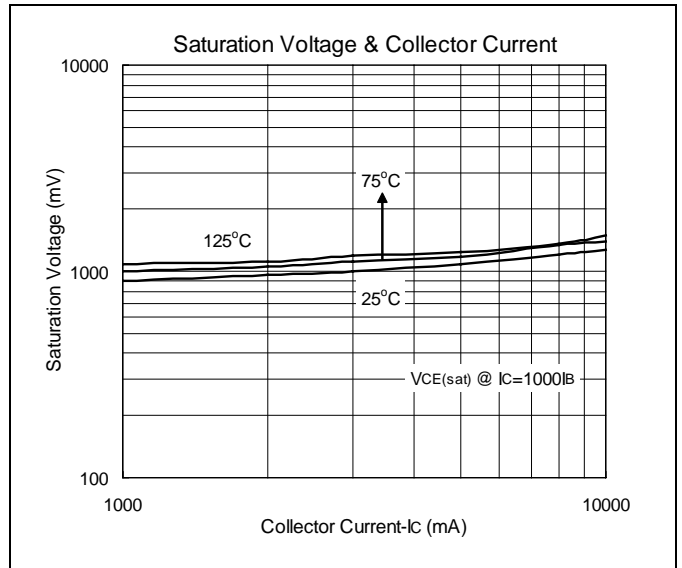
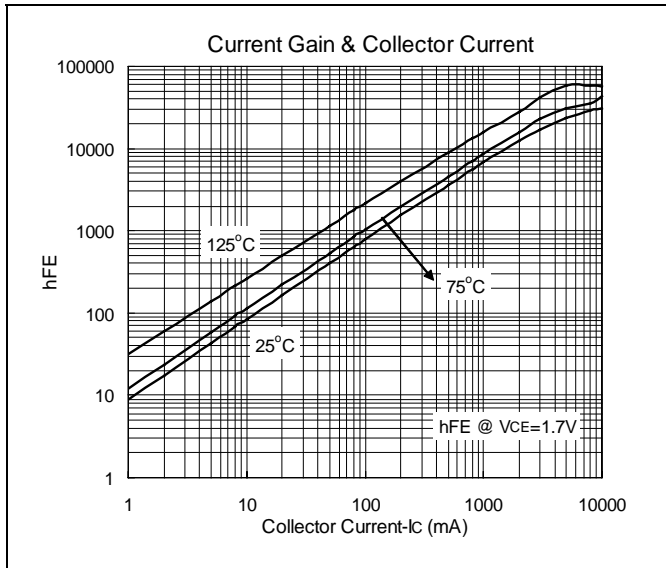
## Characteristics (Ta=25°C)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
*BVCEO	-15	-	-	V	IC=-100mA
ICBO	-	-	-10	uA	VCB=-20V
ICEO	-	-	-20	uA	VCE=-15V
IEBO	-	-	-2	mA	VEB=-5V
*VCE(sat)	-	-	-1.5	V	IC=-10A, IB=-10mA
VBE(on)	-	-	-2	V	IC=-5A, VCE=-1.7V
*hFE1	2	-	60	K	IC=-500mA, VCE=-1.7V
*hFE2	1	15	60	K	IC=-10A, VCE=-1.7V

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

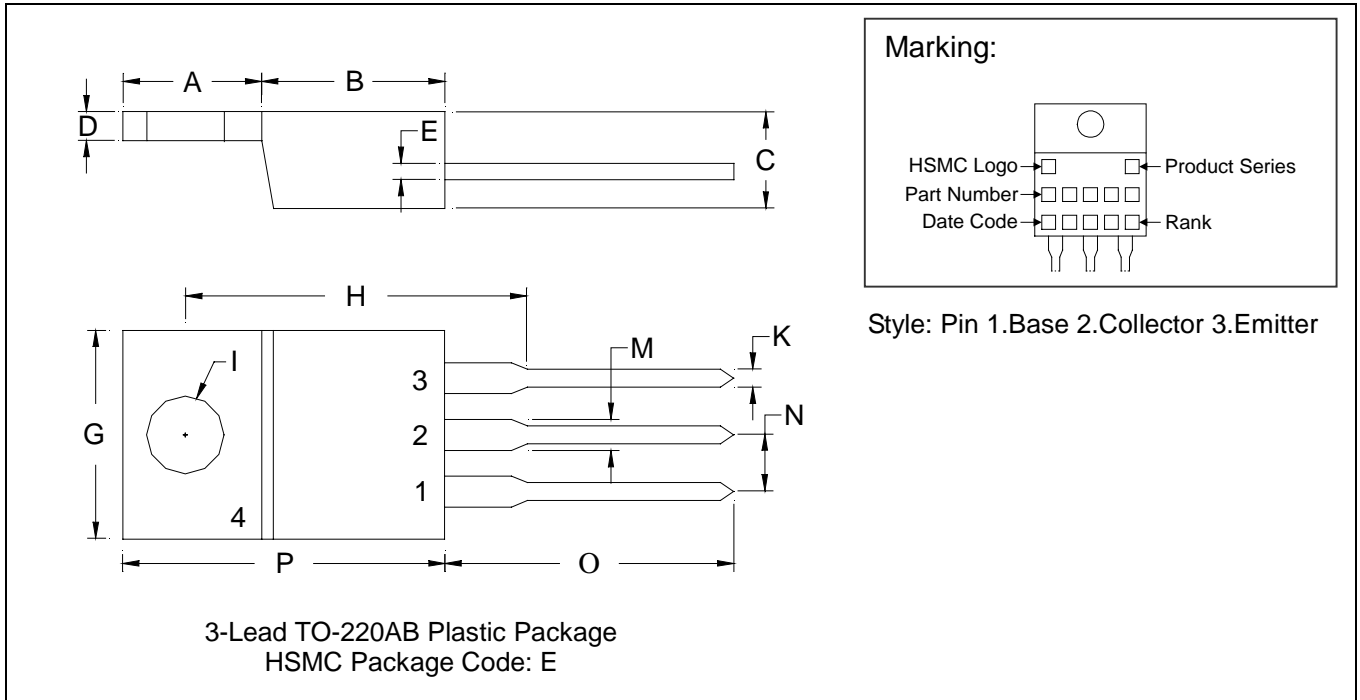


### Characteristics Curve





### TO-220AB Dimension



\*: Typical

DIM	Inches		Millimeters		DIM	Inches		Millimeters	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
A	0.2197	0.2949	5.58	7.49	I	-	*0.1508	-	*3.83
B	0.3299	0.3504	8.38	8.90	K	0.0295	0.0374	0.75	0.95
C	0.1732	0.185	4.40	4.70	M	0.0449	0.0551	1.14	1.40
D	0.0453	0.0547	1.15	1.39	N	-	*0.1000	-	*2.54
E	0.0138	0.0236	0.35	0.60	O	0.5000	0.5618	12.70	14.27
G	0.3803	0.4047	9.66	10.28	P	0.5701	0.6248	14.48	15.87
H	-	*0.6398	-	*16.25					

- Notes:
- 1.Dimension and tolerance based on our Spec. dated Sep. 07,1997.
  - 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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