

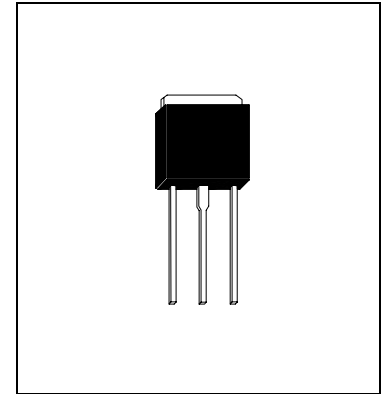


HI340

NPN EPITAXIAL PLANAR TRANSISTOR

Description

The HI340 is designed for line operated audio output amplifier, switchmode power supply drivers and other switching applications.



Absolute Maximum Ratings (Ta=25°C)

- Maximum Temperatures
 - Storage Temperature -55 ~ +150 °C
 - Junction Temperature +150 °C
- Maximum Power Dissipation
 - Total Power Dissipation (Tc=25°C) 20 W
- Maximum Voltages and Currents
 - BVCBO Collector to Base Voltage 300 V
 - BVCEO Collector to Emitter Voltage 300 V
 - BVEBO Emitter to Base Voltage 3 V
 - IC Collector Current 500 mA

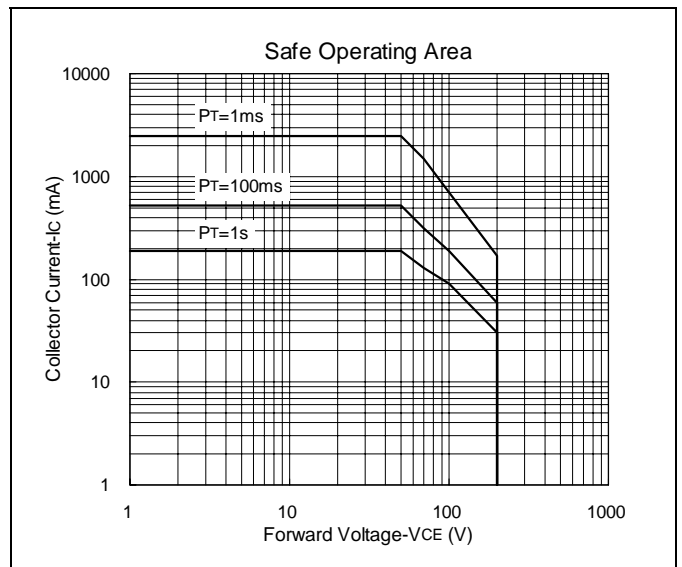
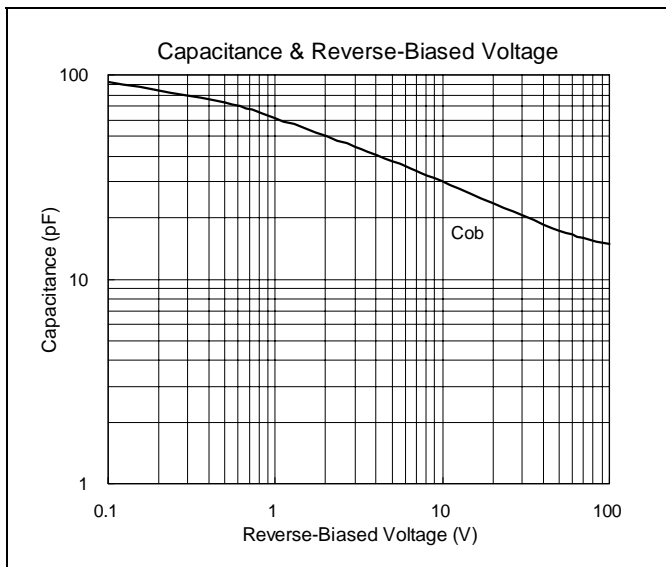
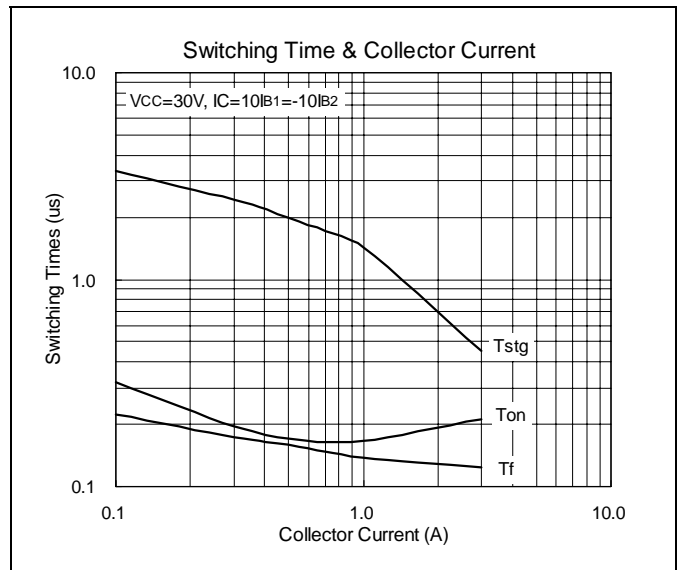
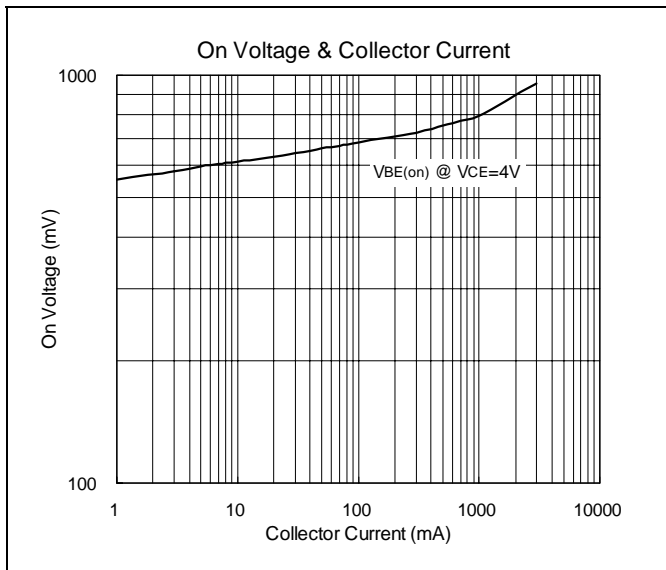
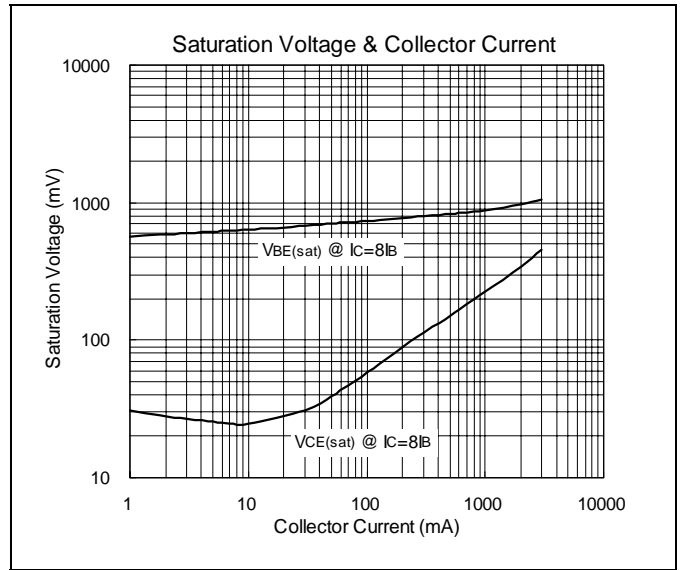
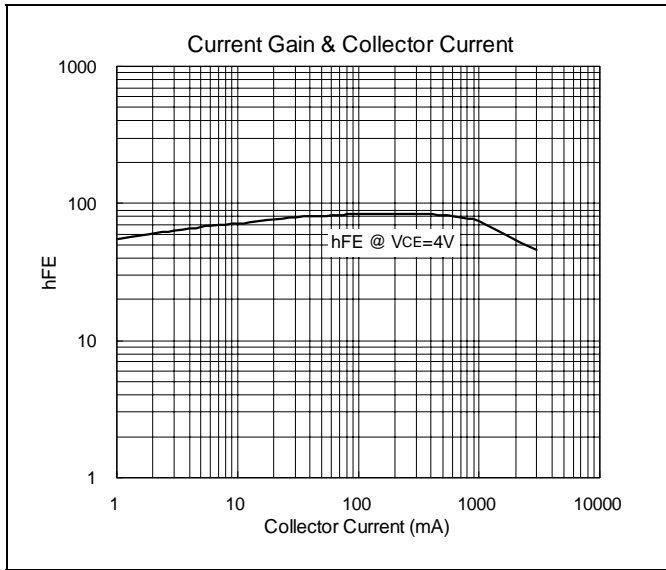
Characteristics (Ta=25°C)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	300	-	-	V	IC=100uA, IE=0
BVCEO	300	-	-	V	IC=1mA, IB=0
BVEBO	3	-	-	V	IE=0.1mA, IC=0
ICBO	-	-	100	uA	VCB=300V, IE=0
IEBO	-	-	100	uA	VEB=3V, IC=0
*hFE	30	-	240		VCE=10V, IC=50mA

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

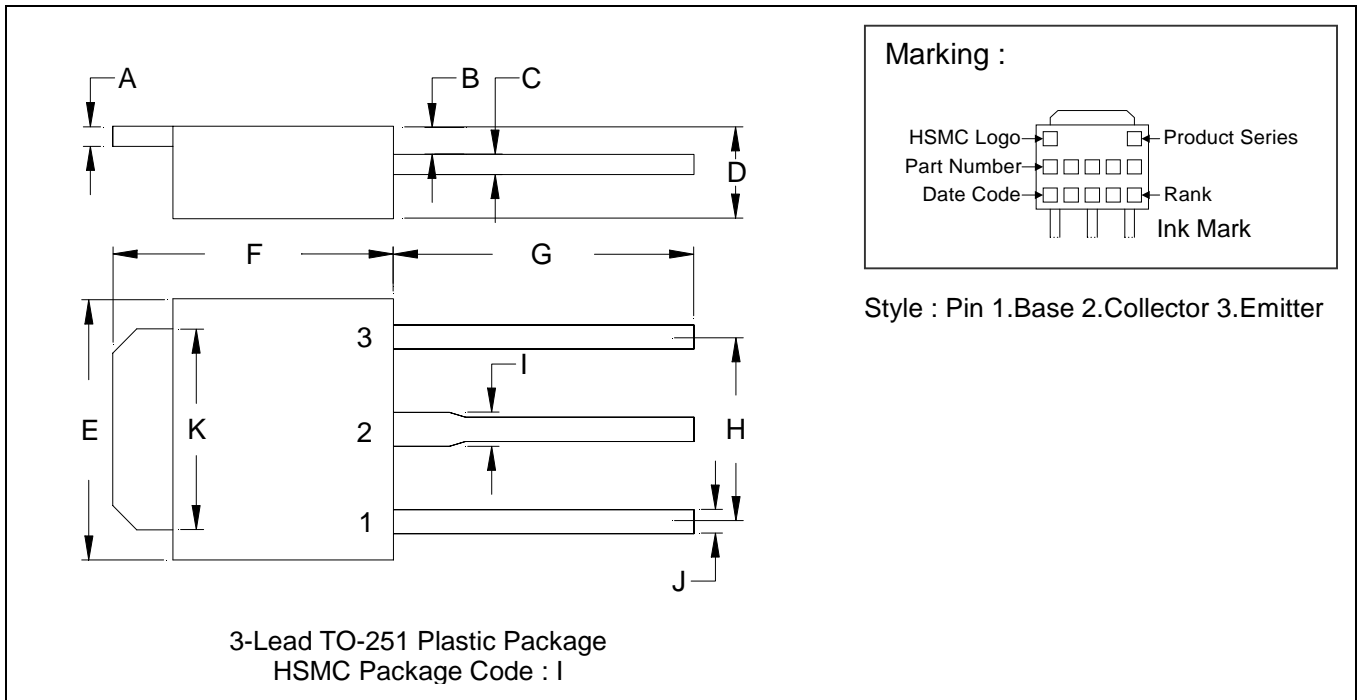


Characteristics Curve





TO-251 Dimension



*:Typical

DIM	Inches		Millimeters		DIM	Inches		Millimeters	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
A	0.0177	0.0217	0.45	0.55	G	0.2559	-	6.50	-
B	0.0354	0.0591	0.90	1.50	H	-	*0.1811	-	*4.60
C	0.0177	0.0236	0.45	0.60	I	-	0.0354	-	0.90
D	0.0866	0.0945	2.20	2.40	J	-	0.0315	-	0.80
E	0.2520	0.2677	6.40	6.80	K	0.2047	0.2165	5.20	5.50
F	0.2677	0.2835	6.80	7.20					

Notes : 1.Dimension and tolerance based on our Spec. dated May. 24,1995.
 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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