



HJ210

PNP EPITAXIAL PLANAR TRANSISTOR

Description

The HJ210 is designed for low voltage, low-power, high-gain audio amplifier 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) 12.5 W
- Maximum Voltages and Currents
BVCBO Collector to Base Voltage -40 V
BVCEO Collector to Emitter Voltage -25 V
BVEBO Emitter to Base Voltage -8 V
IC Collector Current -5 A
IB Base Current -1 A

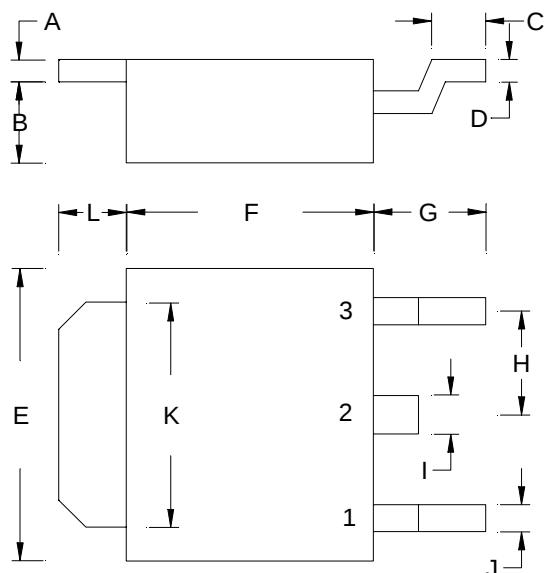
Characteristics (Ta=25°C)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-40	-	-	V	IC=-100uA, IE=0
BVCEO	-25	-	-	V	IC=-10mA, IB=0
BVEBO	-8	-	-	V	IE=-100uA, IC=0
ICBO	-	-	-100	nA	VCB=-40V, IE=0
IEBO	-	-	-100	nA	VEB=-8V, IC=0
*VCE(sat)1	-	-	-0.3	V	IC=-500mA, IB=-50mA
*VCE(sat)2	-	-	-0.75	V	IC=-2A, IB=-200mA
*VCE(sat)3	-	-	-1.8	V	IC=-5A, IB=-1A
*VBE(sat)	-	-	-2.5	V	IC=-5A, IB=-1A
*VBE(on)	-	-	-1.6	V	VCE=-1V, IC=-2A
*hFE1	70	-	-		VCE=-1V, IC=-500mA
*hFE2	45	-	180		VCE=-1V, IC=-2A
*hFE3	10	-	-		VCE=-2V, IC=-5A
Cob	-	-	120	pF	VCB=-10V
fT	65	-	-	MHz	VCE=-10V, IC=-100mA, f=10MHz

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

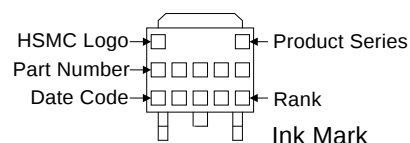


TO-252 Dimension



3-Lead TO-252 Plastic Surface Mount Package
HSMC Package Code : J

Marking :



Style : Pin 1.Base 2.Collector 3.Emitter

*: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	0.0866	0.1102	2.20	2.80
B	0.0650	0.0768	1.65	1.95	H	-	*0.0906	-	*2.30
C	0.0354	0.0591	0.90	1.50	I	-	0.0354	-	0.90
D	0.0177	0.0236	0.45	0.60	J	-	0.0315	-	0.80
E	0.2520	0.2677	6.40	6.80	K	0.2047	0.2165	5.20	5.50
F	0.2125	0.2283	5.40	5.80	L	0.0551	0.0630	1.40	1.60

Notes : 1.Dimension and tolerance based on our Spec. dated May. 05,1996.
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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