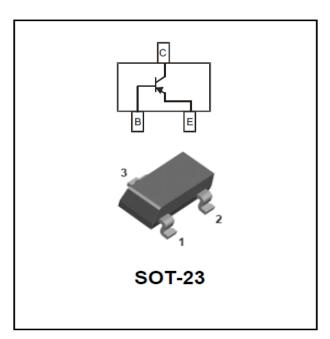




# **PNP General Purpose Amplifier**



### **Features**

- Epoxy meets UL-94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:

SS8550-L: Y2 • L SS8550-H: Y2

### **■**Off Characteristics

Item	Symbol	Unit	Conditions	Value
Collector-Emitter Voltage*	$V_{\text{CEO}}$	V	I <sub>C</sub> =-100uAdc, I <sub>B</sub> =0	25
Collector-Base Voltage	V <sub>CBO</sub>	V	I <sub>C</sub> =-100uAdc, I <sub>E</sub> =0	40
Emitter-Base Voltage	V <sub>EBO</sub>	V	I <sub>E</sub> =-100uAdc, I <sub>C</sub> =0	5.0
Collector Current	Ic	А		1.5
Collector Cutoff Current	I <sub>CEO</sub>	nAdc	V <sub>CE</sub> =20Vdc	100
Collector Cutoff Current	I <sub>CBO</sub>	nAdc	V <sub>CB</sub> =40Vdc	100
Collector Cutoff Current	I <sub>EB0</sub>	nAdc	V <sub>CE</sub> =5.0Vdc	100
Power Dissipation	$P_{D}$	mW		300
Operation Junction Temperature	TJ	$^{\circ}$ C		-55 to +150
Storage Temperature	$T_{STG}$	$^{\circ}$		-55 to +150

# SS8550-L THRU SS8550-H

#### **■**On Characteristics

Item	Symbol	Unit	Conditions	Min	Max
DC Current Gain	h		I <sub>C</sub> =-100mA V <sub>CE</sub> =-1.0Vdc	120	350
DC Current Gain	h <sub>FE</sub>		I <sub>C</sub> =-800mA V <sub>CE</sub> =-1.0Vdc	40	
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	Vdc	I <sub>C</sub> =-800mA I <sub>B</sub> =-80mA		-0.5
Base-Emitter Saturation Voltage	V <sub>BE(sat)</sub>	Vdc	I <sub>C</sub> =-800mA I <sub>B</sub> =-80mA		-1.2

**■**Small-signal Characteristics

Item	Symbol	Unit	Conditions	Min	Max
Current Gain-Bandwidth Product	f <sub>T</sub>	MHz	I <sub>C</sub> =-50mAdc, V <sub>CE</sub> =-10Vdc,f=30MHz	100	

**■CLASSIFICATION OF HFE (1)** 

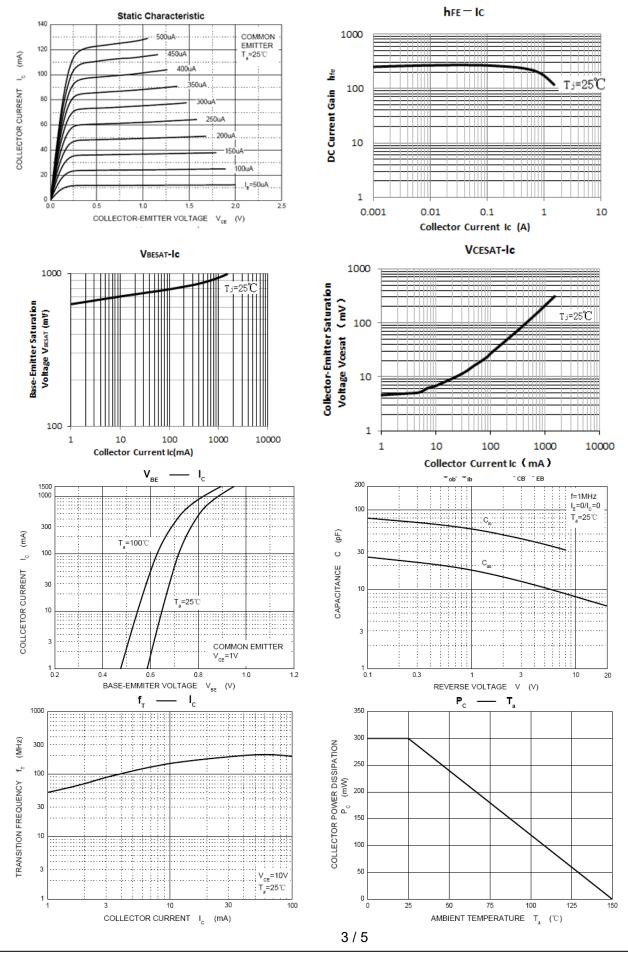
Rank	L	н	
Range	120-200	200-350	

**■Ordering Information** (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SS8550	F2	Approximate 0.008	3000	30000	120000	7" reel

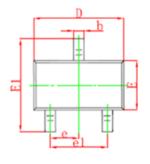
## SS8550-L THRU SS8550-H

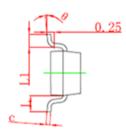
### **■Characteristics** (Typical)

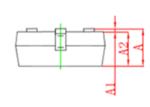




### ■SOT-23 Package Outline Dimensions

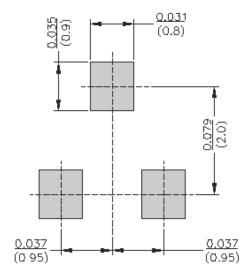






Symbol	Dimensions In	n Millimeters	Dimensions In Inches			
Symbol	Min	Max	Min	Max		
A	0. 900	1. 150	0. 035	0. 045		
A1	0.000	0.100	0.000	0.004		
A2	0. 900	1. 050	0. 035	0.041		
b	0.300	0.500	0.012	0.020		
c	0. 100	0. 200	0.004	0.008		
D	2.800	3.000	0. 110	0. 118		
Е	1. 200	1. 400	0.047	0.055		
E1	2. 250	2. 550	0.089	0.100		
e	0. 95	0. 950TYP		0. 037TYP		
el	1.800	2.000	0.071	0.079		
L	0. 550REF		0. 022REF			
L1	0.300	0. 500	0.012	0.020		
θ	0°	8°	0°	8°		

## ■SOT-23Suggested Pad Layout





### SS8550-L THRU SS8550-H

#### **Disclaimer**

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