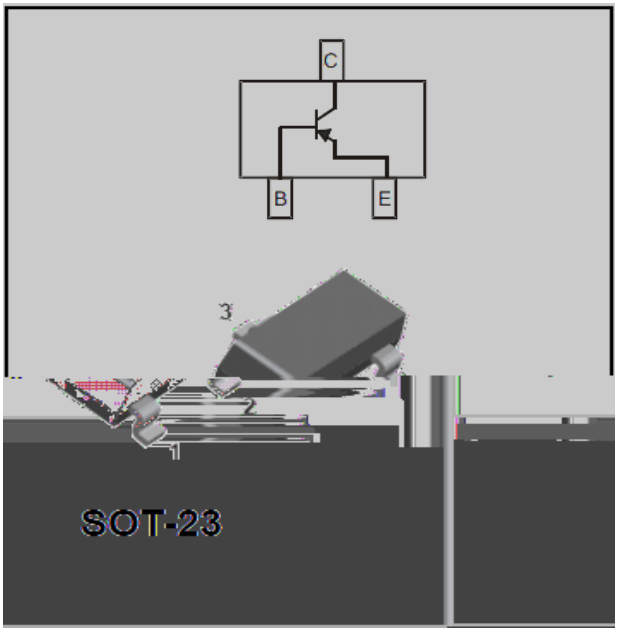
PNP General Purpose Amplifier



Features

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix ”HF”
- Moisture Sensitivity Level 1
- Marking:

S8550-L	2TY · L
S8550-H	2TY

■ Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditi i	η	η	· c
	CEO	V	I_C = - 1 00uAdc$_{B}$ = 0	-25		
Emitter-Base Voltage	V$_{EBO}$	V	I_E = - 1 00uAdc$_{C}$ = 0	-5		
Collector Current	cI	mA		-500		
Collector Power Dissipation	P_C	mW		300		
Thermal Resistance From J unction To Ambient	R$_{d\ JA}$	/W		417		
Operation Junction Temperature	T_j			150		
Storage Temperature	T_{stg}			-55 to +150		

■ Electrical Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	V_{CBO}	V	IC=-100uA,IE=0	-40		
Collector-emitter breakdown voltage	V_{CEO}	V	IC =-100uA,IB=0	-25		
Emitter-base breakdown voltage	V_{EBO}	V	IE=-100μA,IC=0	-5		
Collector-Emitter cut-off current	I_{CEX}	nA	VCE=-20V, VBE=-3V			-100
Collector-base cut-off current	I_{CBO}	nA	VCB=-40V, IE=0			-100
Emitter-base cut-off current	I_{EBO}	nA	VEB=-5V, IC =0			-100
DC current gain	$h_{FE\ 1}$		VCE=-1V,IC=-50mA	120		350
	$h_{FE\ 2}$		VCE=-1V,IC=-500mA	50		
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	IC=-500mA,IB=-50mA			-0.6
Base-emitter saturation voltage	$V_{BE(sat)}$	V	IC=-500mA,IB=-50mA			-1.2
Transition frequency	f_T	MHz	VCE=-6V,IC=-20mA,f=30MHz	150		

■CLASSIFICATION OF HFE

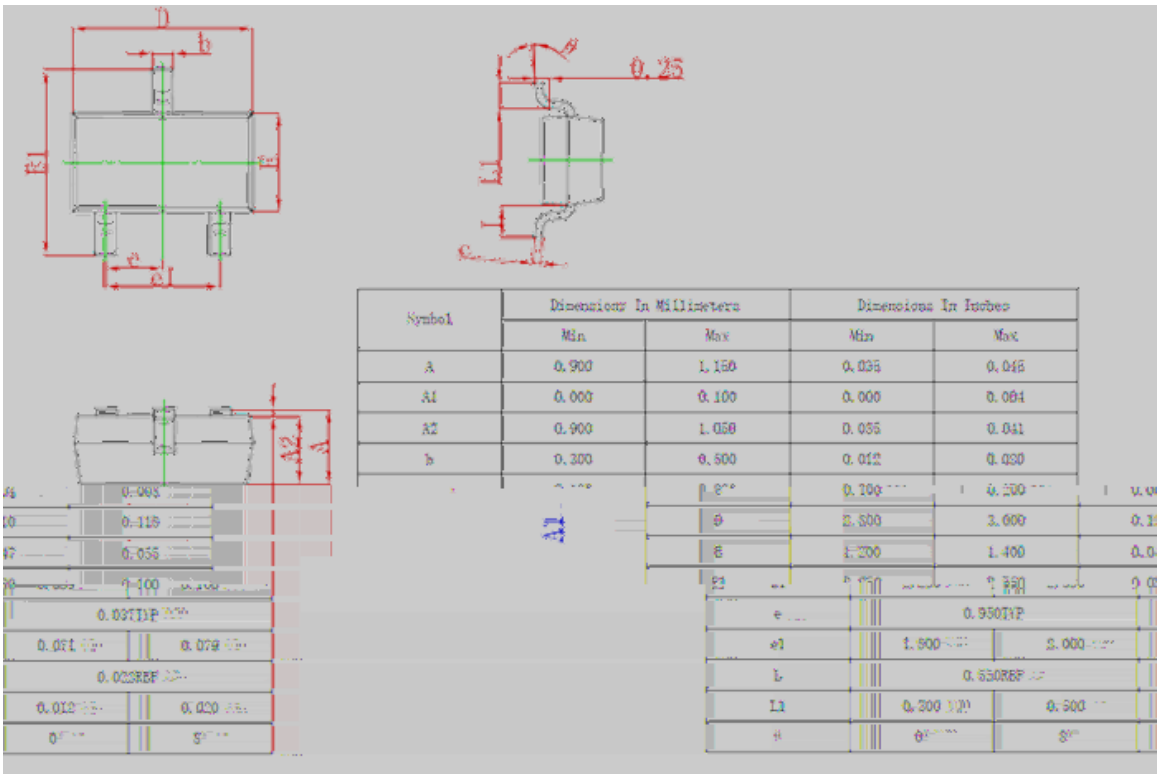
Rank	L	H
Range	120-200	200-350

■ **Ordering Information** (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
S8550	F2	Approximate 0.008	3000	30000	120000	7” reel

■ **Characteristics** (Typical)

■SOT-23 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	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
			0.100	0.200
			2.800	3.000
			1.200	1.400
e	0.950TYP			
e1	1.800	2.000		
L	0.550REF			
L1	0.300	0.500		
θ	0°	8°		

■SOT-23 Soldering Footprint

