

General Purpose Transistors

PNP Silicon

FEATURE

- High current capacity in compact package.
 $I_C = -1.5A$.
- Epitaxial planar type.
- PNP complement: LH8550
- Pb-Free Package is available.

DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LH8550PLT1G	KIO	3000/Tape&Reel
LH8550PLT3G	KIO	10000/Tape&Reel
LH8550QLT1G	KIY	3000/Tape&Reel
LH8550QLT3G	KIY	10000/Tape&Reel

MAXIMUM RATINGS

Rating	Symbol	Max	Unit
Collector-Emitter Voltage	V_{CEO}	-50	V
Collector-Base Voltage	V_{CBO}	-50	V
Emitter-Base Voltage	V_{EBO}	-6	V
Collector Current-continuoun	I_C	-1500	mAdc

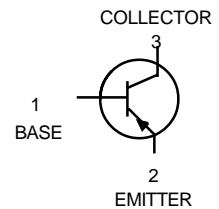
THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Total Dissipation Power	P_D	225	mW
Junction and Storage Temperature	T_j, T_{stg}	-55 to +150	°C

LH8550PLT1G
Series



SOT-23



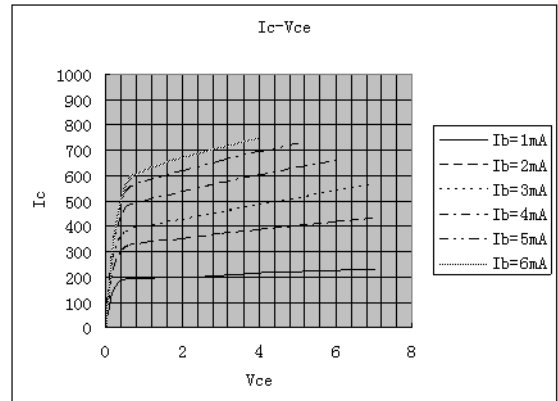
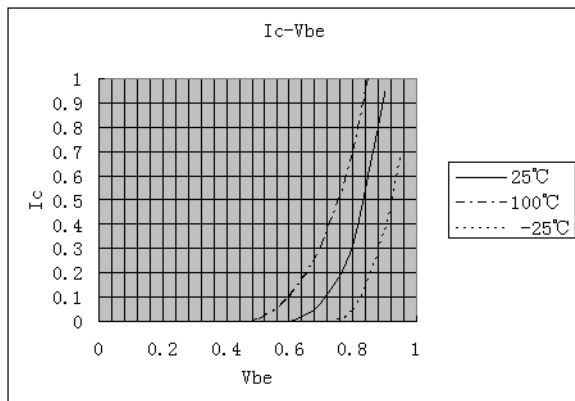
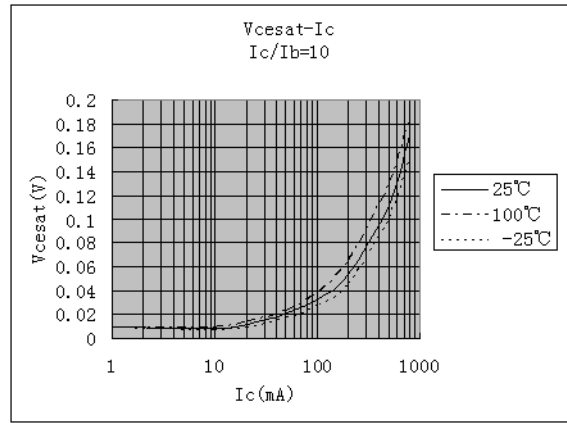
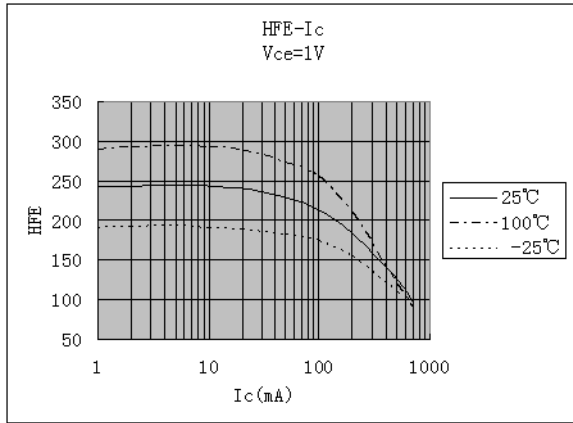
LH8550PLTIG
Series

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
Collector-Emitter Breakdown Voltage (I _C =-2.0mA, I _B =0)	V _{(BR)CEO}	-50	-	-	V
Emitter-Base Breakdown Voltage (I _E =-100μA, I _C =0)	V _{(BR)EBO}	-6	-	-	V
Collector-Base Breakdown Voltage (I _C =-100μA, I _E =0)	V _{(BR)CBO}	-50	-	-	V
Collector Cutoff Current (V _{CB} =-35V, I _E =0)	I _{CBO}	-	-	-100	nA
Emitter Cutoff Current (V _{EB} =-6V, I _C =0)	I _{EBO}	-	-	-100	nA
Base-Emitter Voltage (V _{CE} =-1V, I _C =-10mA)	V _{BE}	-	-0.66	-1	V
DC Current Gain I _C =-100mA, V _{CE} =-1V	h _{FE} *	100	-	320	
DC Current Gain I _C =-800mA, V _{CE} =-1V	h _{FE}	40	-	-	
Collector-Emitter Saturation Voltage (I _C =-800mA I _B =-80mA)	V _{CE(S)}	-	-	-0.4	V

NOTE :

*	P	Q
h _{FE}	100~200	160~320

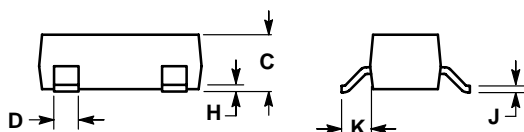
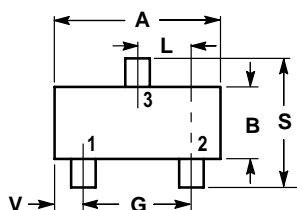
**LH8550PLTIG
Series**
Electrical Characteristic Curves ($T_A=25^\circ\text{C}$)


LH8550PLTIG Series

SOT-23

NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M,1982
2. CONTROLLING DIMENSION: INCH.



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.1102	0.1197	2.80	3.04
B	0.0472	0.0551	1.20	1.40
C	0.0350	0.0440	0.89	1.11
D	0.0150	0.0200	0.37	0.50
G	0.0701	0.0807	1.78	2.04
H	0.0005	0.0040	0.013	0.100
J	0.0034	0.0070	0.085	0.177
K	0.0140	0.0285	0.35	0.69
L	0.0350	0.0401	0.89	1.02
S	0.0830	0.1039	2.10	2.64
V	0.0177	0.0236	0.45	0.60

PIN 1. BASE
 2. EMITTER
 3. COLLECTOR

