

DESCRIPTION

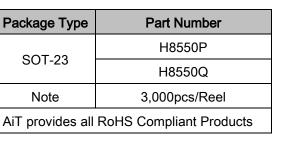
The H8550P~H8550Q are available in SOT-23 package.

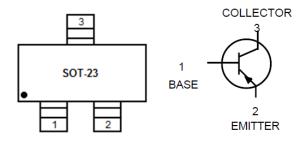
FEATURES

- High current capacity in compact package. Ic =-1.5A.
- Epitaxial planar type.
- PNP complement: H8550
- Available in SOT-23 package

ORDERING INFORMATION

PIN DESCRIPTION







GENERAL PURPOSE TRANSISTOR PNP SILICON

ABSOLUTE MAXIMUM RATINGS

V _{CEO} , Collector-Emitter Voltage	-50V
V _{CBO} , Collector-Base Voltage	-50V
V _{EBO} , Emitter-Base Voltage	-6V
I _C , Collector Current-continuous	-1500mAdc

Stresses above may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated in the Electrical Characteristics are not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

THERMAL CHARACTERISTICS

Parameter	Symbol	Max.	Unit
Total Dissipation Power	PD	225	mW
Junction and Storage Temperature	TJ , Tstg	-55 to +150	°C

ELECTRICAL CHARACTERISTICS

$T_A = 25^{\circ}C$, unless otherwise noted

Parameter	Symbol	Conditions		Min.	Тур.	Max.	Unit
Collector-Emitter Breakdown Voltage	V(BR)CEO	Ic=-2.0mA,I _B =0		-50	-	-	V
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	I _E =-100μΑ ,I _C =0		-6	-	-	V
Collector-Base Breakdown Voltage	V _{(BR)CBO}	I _C =-100μΑ ,I _E =0		-50	-	-	V
Collector Cutoff Current	Ісво	V _{CB} =-35V,I _E =0		-	-	-100	nA
Emitter Cutoff Current	I _{EBO}	V _{EB} =-6V,I _C =0		-	-	-100	nA
Base-Emitter Voltage	V_{BE}	V _{CE} =-1V,I _C =-10mA		-	-0.66	-1	V
DC Current Gain	h _{FE}	Ic=-100mA,Vce=-1V	Ρ	100	-	200	
			Q	160	-	320	
		Ic=-800mA,V _{CE} =-1V		40	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(S)}$	Ic=-800mA, I _B =-80mA		-	-	-0.5	V

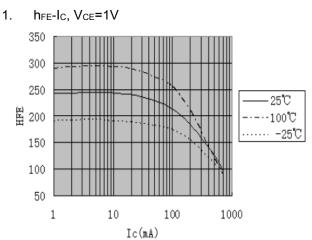
TYPICAL PERFORMANCE CHARACTERISTICS

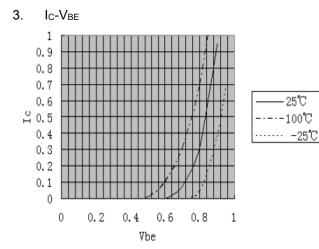


H8550P~H8550Q

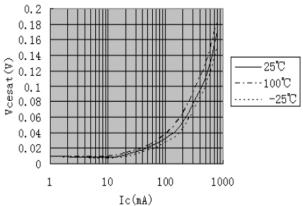
GENERAL PURPOSE TRANSISTOR PNP SILICON

T_A = 25°C

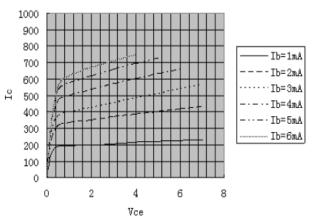




2. VCESAT-IC, IC/IB=10





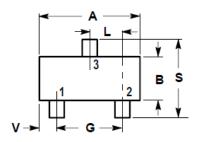


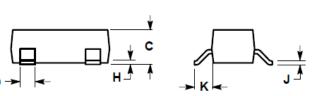


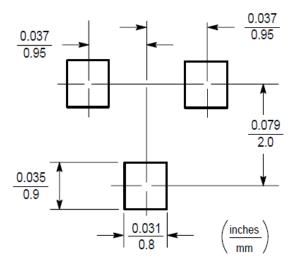
GENERAL PURPOSE TRANSISTOR PNP SILICON

PACKAGE INFORMATION

Dimension in SOT-23 Package (Unit: mm)







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



IMPORTANT NOTICE

AiT Semiconductor Inc. (AiT) reserves the right to make changes to any its product, specifications, to discontinue any integrated circuit product or service without notice, and advises its customers to obtain the latest version of relevant information to verify, before placing orders, that the information being relied on is current.

AiT Semiconductor Inc.'s integrated circuit products are not designed, intended, authorized, or warranted to be suitable for use in life support applications, devices or systems or other critical applications. Use of AiT products in such applications is understood to be fully at the risk of the customer. As used herein may involve potential risks of death, personal injury, or servere property, or environmental damage. In order to minimize risks associated with the customer's applications, the customer should provide adequate design and operating safeguards.

AiT Semiconductor Inc. assumes to no liability to customer product design or application support. AiT warrants the performance of its products of the specifications applicable at the time of sale.