

DESCRIPTION

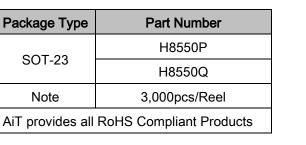
The H8550P~H8550Q are available in SOT-23 package.

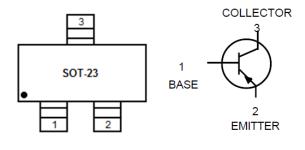
FEATURES

- 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 |

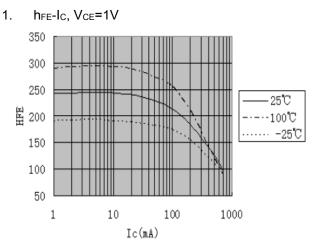
TYPICAL PERFORMANCE CHARACTERISTICS

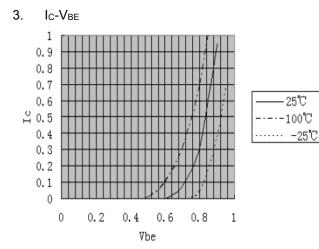


H8550P~H8550Q

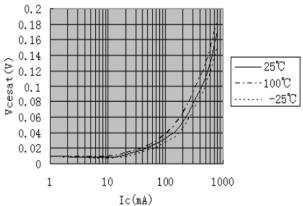
GENERAL PURPOSE TRANSISTOR PNP SILICON

T_A = 25°C

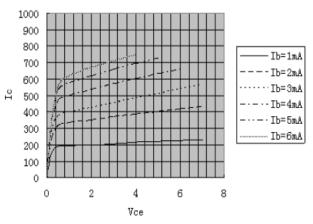




2. VCESAT-IC, IC/IB=10





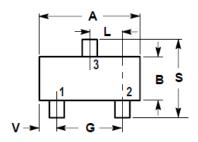


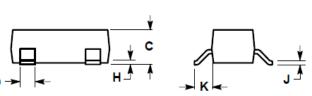


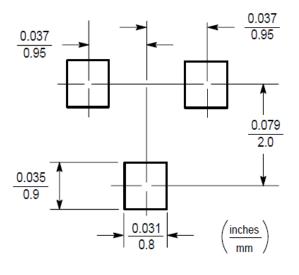
GENERAL PURPOSE TRANSISTOR PNP SILICON

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 | |



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