

TO-220 Plastic Package

CSB546

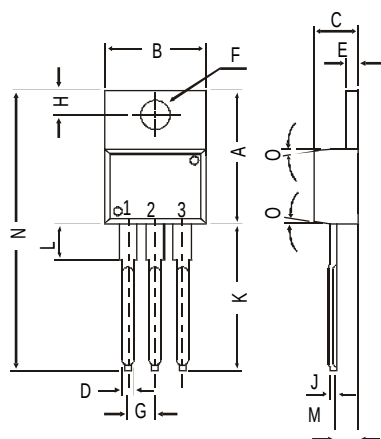
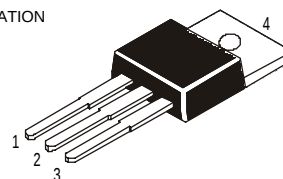
CSB546 PNP PLASTIC POWER TRANSISTOR

Complementary CSD401

TV Vertical Deflection Output

PIN CONFIGURATION

1. BASE
2. COLLECTOR
3. EMITTER
4. COLLECTOR



All dimensions in mm.

DIM	MIN.	MAX.
A	14.42	16.51
B	9.63	10.67
C	3.56	4.83
D		0.90
E	1.15	1.40
F	3.75	3.88
G	2.29	2.79
H	2.54	3.43
J		0.56
K	12.70	14.73
L	2.80	4.07
M	2.03	2.92
N		31.24
O		DEG 7

ABSOLUTE MAXIMUM RATINGS

Collector-base voltage (open emitter)

V_{CBO} max. 200 V

Collector-emitter voltage (open base)

V_{CEO} max. 150 V

Collector current

I_C max. 2 A

Total power dissipation up to $T_C = 25^\circ\text{C}$

P_{tot} max. 25 W

Junction temperature

T_j max. 150 °C

Collector-emitter saturation voltage

$I_C = 500 \text{ mA}; I_B = 50 \text{ mA}$

V_{CEsat} max. 1.0 V

D.C. current gain

$I_C = 0.4 \text{ A}; V_{CE} = 10 \text{ V}$

h_{FE} min. 40

max. 240

RATINGS (at $T_A = 25^\circ\text{C}$ unless otherwise specified)

Limiting values

Collector-base voltage (open emitter)

V_{CBO} max. 200 V

Collector-emitter voltage (open base)

V_{CEO} max. 150 V

Emitter-base voltage (open collector)

V_{EBO} max. 5.0 V

Collector current

I_C max. 2 A

CSB546

Total power dissipation up to $T_C = 25^\circ\text{C}$	P_{tot}	max.	25 W
Junction temperature	T_j	max.	150 °C
Storage temperature	T_{stg}	-65 to +150	°C

CHARACTERISTICS

$T_{amb} = 25^\circ\text{C}$ unless otherwise specified

Collector cutoff current $I_E = 0; V_{CB} = 150\text{ V}$	I_{CBO}	max.	50 μA
Breakdown voltages $I_C = 10\text{ mA}; I_B = 0$	V_{CEO}	min.	150 V
$I_C = 500\text{ }\mu\text{A}; I_E = 0$	V_{CBO}	min.	200 V
$I_E = 500\text{ }\mu\text{A}; I_C = 0$	V_{EBO}	min.	5.0 V
Saturation voltages $I_C = 500\text{ mA}; I_B = 50\text{ mA}$	V_{CEsat}	max.	1.0 V
D.C. current gain $I_C = 0.4\text{ A}; V_{CE} = 10\text{ V}^{**}$	h_{FE}	min.	40
		max.	240
Transition frequency $I_C = 0.4\text{ A}; V_{CE} = 10\text{ V}$	f_T	typ.	5 MHz

**** h_{FE} classification: R: 40-80 O: 70-140 Y: 120-240**

Customer Notes

[查询"CSB546"供应商](#)

Disclaimer

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