

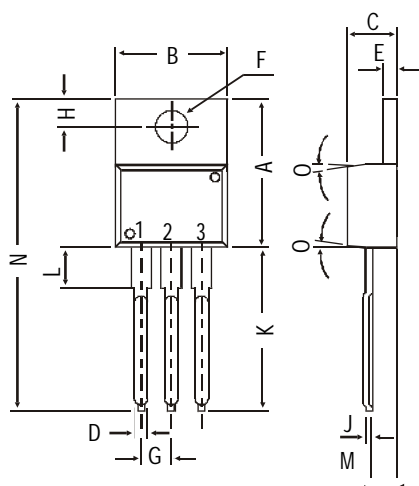
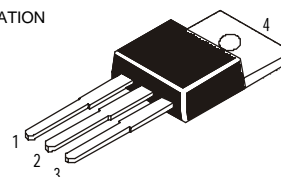
TO-220 Plastic Package

CSD362

CSD362 NPN PLASTIC POWER TRANSISTOR B/W TV Horizontal 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. 150 V

Collector-emitter voltage (open base)

V_{CEO} max. 70 V

Collector current

I_C max. 5.0 A

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

P_{tot} max. 40 W

Junction temperature

T_j max. 150 $^\circ\text{C}$

Collector-emitter saturation voltage

V_{CEsat} max. 1.0 V

$I_C = 5\text{ A}; I_B = 0.5\text{ A}$

D.C. current gain

h_{FE} min 20

$I_C = 5\text{ A}; V_{CE} = 5\text{ V}$

max. 140

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

Limiting values

Collector-base voltage (open emitter)

V_{CBO} max. 150 V

Collector-emitter voltage (open base)

V_{CEO} max. 70 V

Emitter-base voltage (open collector)

V_{EBO} max. 8.0 V

Collector current

I_C max. 5.0 A

CSD362

Total power dissipation up to $T_C = 25^\circ\text{C}$	P_{tot}	max. 40 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

$I_E = 0$; $V_{CB} = 100\text{ V}$

I_{CBO} max. 20 μA

Breakdown voltages

$I_C = 20\text{ mA}$; $I_E = 0$

V_{CEO} min. 70 V

$I_C = 1\text{ mA}$; $I_E = 0$

V_{CBO} min. 150 V

$I_E = 1\text{ mA}$; $I_C = 0$

V_{EBO} min. 8.0 V

Saturation voltages

$I_C = 5\text{ A}$; $I_B = 0.5\text{ A}$

V_{CEsat} max. 1.0 V

V_{BEsat} max. 1.5 V

D.C. current gain

$I_C = 5\text{ A}$; $V_{CE} = 5\text{ V}^{**}$

h_{FE} min. 20

max. 140

Transition frequency

$I_C = 0.5\text{ A}$; $V_{CE} = 5\text{ V}$

f_T typ. 10 MHz

**** h_{FE} classification: N: 20-50 R: 40-80 O: 70-140**

[查询"CSD362"供应商](#)

Disclaimer

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