

Continental Device India Limited An IS/180 9002 and IECQ Certified Manufacturer





SOT-23 Formed SMD Package

CSA1162

$LOWFREQUENCY\,GENERAL\,PURPOSE\,AMPLIFIER\,TRANSISTOR$

P-N-P transistor

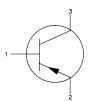
Marking

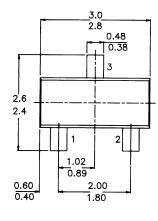
CSA1162Y-3E CSA1162GR(G)-3F

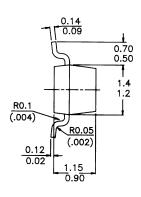
PACKAGE OUTLINE DETAILS ALL DIMENSIONS IN mm

Pin configuration

- 1 = BASE
- 2 = EMITTER
- 3 = COLLECTOR







ABSOLUTE MAXIMUM RATINGS

Collector-base voltage (open emitter)	$-V_{CBO}$	max.	50 V
Collector-emitter voltage (open base)	$-V_{CEO}$	max.	50 V
Emitter-base voltage (open collector)	$-V_{EBO}$	max.	5 V
Collector current (d.c.)	$-I_C$	max.	150 mA
Total power dissipation at $T_{amb} = 25^{\circ}C$	P_{tot}	max.	150 mW
Junction temperature	T_{j}	max.	150 ° C
D.C. current gain	,		
$-I_C = 2 \text{ mA; } -V_{CE} = 6V$	h_{FE}	min.	70
		max.	400

RATINGS (at $T_A = 25$ °C unless otherwise specified)

Limiting values

Collector-base voltage (open emitter)	$-V_{CBO}$	max.	50 V
Collector-emitter voltage (open base)	$-V_{CEO}$	max.	50 V
Emitter-base voltage (open collector)	$-V_{EBO}$	max.	5 V
Collector current (d.c.)	$-I_C$	max.	150 mA
Base current	$-I_{R}$	max.	30 mA

CSA1162

Total power dissipation at $T_{amb} = 25^{\circ}C$	P_{tot}	max.	150 mW
Storage temperature	Tstg	-50 to	+150 ° C
Junction temperature	T_j	max.	150 ° C
CHADA CHIPDIOTHOG (, The orong lead to	· (C - I)		
CHARACTERISTICS (at $T_A = 25^{\circ}$ C unless otherwise	specified)		
Collector-emitter breakdown voltage $-I_C = 1 \text{ mA}$; $I_B = 0$	-Vannague	min	50 V
-1C - 1 m/A, $1B - 0$	−V _(BR) CEC) 111111	30 V
Collector cut-off current			
$-V_{CB} = 50 \ V; I_E = 0$	$-I_{CBO}$	max.	100 nA
Emitter cut-off current			
$V_{EB} = 5 V; I_C = 0$	I_{EBO}	max.	100 nA
Saturation voltage			
$-I_C = 100 \text{ mA}; -I_B = 10 \text{ mA}$	-V _{CEsat}	max.	0.3 V
D.C. current gain			
D.C. current gain $I_C = 2 \text{ mA}; -V_{CF} = 6 \text{ V}$	h_{FE}	min.	70
$V = \mathcal{L} \text{ Init}, V \subseteq V$	"FE	max.	400
	Y		120
	Y	min.	
		max.	240
	GR(G)	min.	200
		max.	400
Transition frequency			
$V_{CE} = 10 \text{ V}; I_C = 1 \text{ mA}$	f_T	min.	80 MHz
V CE = 10 V, 1C = 1 IIIA	11	111111.	00 WH 12
Collector output capacitance			
$V_{CB} = 10 \text{ V}; I_E = 0; f = 1 \text{ MHz}$	C_{ob}	max.	7 pF
			•
Noise figure			
$V_{CE} = 6 \ V; I_{C} = 0.1 \ mA$			
$f = 1 \text{ kHz; } R_g = 10 \text{ kW}$	N_F	max.	10 dB

查询"CSA1162"供应商

Disclaimer

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C-120 Naraina Industrial Area, New Delhi 110 028, India.

Telephone + 91-11-579 6150 Fax + 91-11-579 9569, 579 5290
e-mail sales@cdil.com www.cdil.com