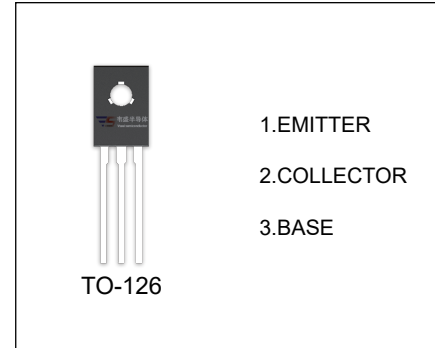


## 2SC1162 TRANSISTOR (NPN)

### FEATURES

- Low Frequency Power Amplifier



### ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SC1162	TO-126	Bulk	200pcs/Bag
2SC1162-TU	TO-126	Tube	60pcs/Tube

### MAXIMUM RATINGS (T<sub>a</sub>=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V <sub>CBO</sub>	Collector-Emitter Voltage	35	V
V <sub>CEO</sub>	Collector-Emitter Voltage	35	V
V <sub>EBO</sub>	Emitter-Base Voltage	5	V
I <sub>C</sub>	Collector Current -Continuous	2.5	A
P <sub>C</sub>	Collector Power Dissipation	1	W
T <sub>J</sub> , T <sub>stg</sub>	Operation Junction and Storage Temperature Range	-55-150	°C

**$T_a=25^\circ\text{C}$  unless otherwise specified**

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = 1\text{mA}, I_E = 0$	35			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = 10\text{mA}, I_B = 0$	35			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = 1\text{mA}, I_C = 0$	5			V
Collector cut-off current	$I_{CBO}$	$V_{CB} = 35\text{V}, I_E = 0$			20	$\mu\text{A}$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = 5\text{V}, I_C = 0$			20	$\mu\text{A}$
DC current gain	$h_{FE1}^*$	$V_{CE} = 2\text{V}, I_C = 0.5\text{A}$	60		320	
	$h_{FE2}^*$	$V_{CE} = 2\text{V}, I_C = 1.5\text{A}$	20			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = 2\text{A}, I_B = 200\text{mA}$			1	V
Base-collector voltage	$V_{BE}$	$V_{CE} = 2\text{V}, I_C = 1.5\text{A}$			1.5	V
Transition frequency	$f_T$	$V_{CE} = 2\text{V}, I_C = 200\text{mA}$		180		MHz

\*pulse test

**CLASSIFICATION OF  $h_{FE1}$** 

Rank	B	C	D
Range	60-120	100-200	160-320