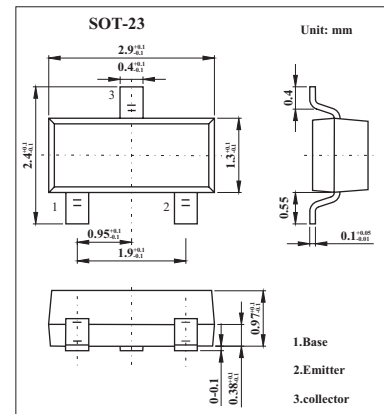


## Chroma amplifier transistor

### 2SC4061K

#### ■ Features

- High breakdown voltage.
- Low collector output capacitance.
- Ideal for chroma circuit.



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V <sub>CB0</sub>	300	V
Collector-emitter voltage	V <sub>CEO</sub>	300	V
Emitter-base voltage	V <sub>EBO</sub>	5	V
Collector current	I <sub>C</sub>	100	mA
Collector power dissipation	P <sub>C</sub>	0.2	W
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

#### ■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	BV <sub>CB0</sub>	I <sub>C</sub> =50μA	300			V
Collector-emitter breakdown voltage	BV <sub>CEO</sub>	I <sub>C</sub> =100μA	300			V
Emitter-base breakdown voltage	BV <sub>EBO</sub>	I <sub>E</sub> =50μA	5			V
Collector cutoff current	I <sub>CB0</sub>	V <sub>CB</sub> =200V			0.5	μA
Emitter cutoff current	I <sub>EBO</sub>	V <sub>EB</sub> =4V			0.5	μA
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =50mA, I <sub>B</sub> =5mA			2	V
DC current transfer ratio	h <sub>FE</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =10mA	56		180	
Output capacitance	f <sub>T</sub>	V <sub>CE</sub> =30V, I <sub>E</sub> =-10mA, f=30MHz	50	100		MHz
Transition frequency	C <sub>ob</sub>	V <sub>CB</sub> =30V, I <sub>E</sub> =0A, f=1MHz		3		pF

#### ■ hFE Classification

Marking	ANN	ANP
Rank	N	P
hFE	56 ~ 120	82 ~ 180