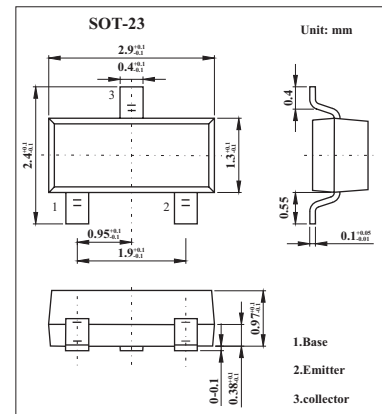


Chroma amplifier transistor

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_{CB0}	300	V
Collector-emitter voltage	V_{CE0}	300	V
Emitter-base voltage	V_{EB0}	5	V
Collector current	I_C	100	mA
Collector power dissipation	P_C	0.2	W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	BV_{CB0}	$I_C=50\mu A$	300			V
Collector-emitter breakdown voltage	BV_{CE0}	$I_C=100\mu A$	300			V
Emitter-base breakdown voltage	BV_{EB0}	$I_E=50\mu A$	5			V
Collector cutoff current	I_{CBO}	$V_{CB}=200V$			0.5	μA
Emitter cutoff current	I_{EBO}	$V_{EB}=4V$			0.5	μA
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=50mA, I_B=5mA$			2	V
DC current transfer ratio	h_{FE}	$V_{CE}=10V, I_C=10mA$	56		180	
Output capacitance	f_T	$V_{CE}=30V, I_E=-10mA, f=30MHz$	50	100		MHz
Transition frequency	C_{ob}	$V_{CB}=30V, I_E=0A, f=1MHz$		3		pF

■ hFE Classification

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