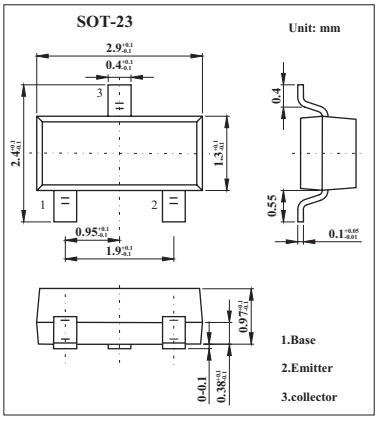
Chroma amplifier transistor

2SC4061K



Features

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

Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	300	V
Collector-emitter voltage	V_{CEO}	300	V
Emitter-base voltage	V_{EBO}	5	V
Collector current	I_C	100	mA
Collector power dissipation	P_C	0.2	W
Junction temperature	Tj	150	℃
Storage temperature	T_{stg}	-55 to +150	℃

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector-base breakdown voltage	BV_{CBO}	I_C=50μA	300			V
Collector-emitter breakdown voltage	BV_{CEO}	I_C=100μA	300			V
Emitter-base breakdown voltage	BV_{EBO}	I_E=50μA	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