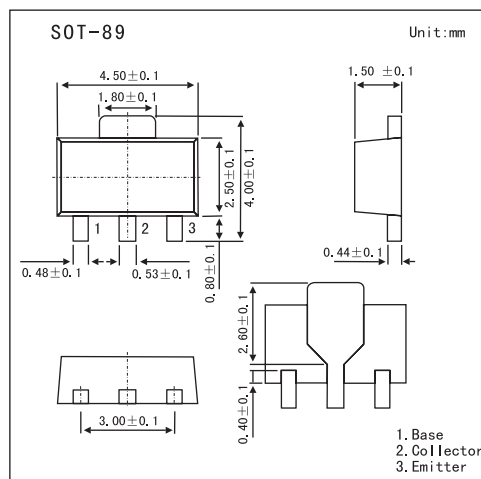


# KTA1660

### Features

- High Voltage:  $V_{CE0}=-150V$
- High Transition Frequency:  $f_T=120MHz$
- Small Flat Package



### Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CB0}$	-150	V
Collector-Emitter Voltage	$V_{CE0}$	-150	V
Emitter-Base Voltage	$V_{EB0}$	-5	V
Collector Current	$I_C$	-50	mA
Base Current	$I_B$	-10	mA
Collector Power Dissipation	$P_C$	500	mW
	$P_{C^*}$	1	W
Junction Temperature	$T_j$	150	$^{\circ}C$
Storage Temperature Range	$T_{stg}$	-55 to 150	$^{\circ}C$

\* mounted on ceramic substrate (250mm<sup>2</sup>X0.8t)

### Electrical Characteristics $T_a = 25^{\circ}C$

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=-150V, I_E=0$			-0.1	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{CE}=-5V, I_C=0$			-0.1	$\mu A$
DC Current Gain	$h_{FE}$	$V_{CE}=-5V, I_C=-10mA$	70		240	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-10mA, I_B=-1mA$			-0.8	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE}=-5V, I_C=-30mA$			-0.9	V
Transition Frequency	$f_T$	$V_{CE}=-30V, I_C=-10mA$		120		MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=-10V, I_E=0, f=1MHz$		4.0	5.0	pF

### hFE Classification

Marking	BO	BY
Rank	O	Y
Type	70~140	120~240