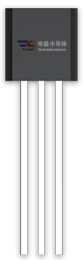
KTA1266 TRANSISTOR (PNP)



TO-92

1.EMITTER
2.COLLECTOR
3.BASE

FEATURES

- Excellent h_{FE} Linearity
- Low Noise
- Complementary to KTC3198

ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
KTA1266	TO-92	Bulk	1000pcs/Bag
KTA1266-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-50	V
V_{CEO}	Collector-Emitter Voltage	-50	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current -Continuous	-150	mA
P_D	Collector Power Dissipation	625	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	200	℃/W
T_J,T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

T_a=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	I_C =-100μA, I_E=0	-50			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	I_C=-1mA, I_B=0	-50			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I_E=-100μA, I_C=0	-5			V
Collector cut-off current	I_{CBO}	V_{CB}=-50V, I_E=0			-0.1	μA
Emitter cut-off current	I_{EBO}	V_{EB}=-5V, I_C=0			-0.1	μA
DC current gain	$h_{FE(1)}$	V_{CE}=-6V, I_C=-2mA	70		400	
	$h_{FE(2)}$	V_{CE}=-6V, I_C=-150mA	25			
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-100mA, I_B=-10mA			-0.3	V
Base-emitter saturation voltage	$V_{BE(sat)}$	I_C=-100mA, I_B=-10mA			-1.1	V
Transition frequency	f_T	V_{CE}=-10V, I_C=-1mA	80			MHz
Collector output capacitance	C_{ob}	V_{CB}=-10V, I_E=0, f=1MHz			7	pF
Noise figure	NF	V_{CE}=-6V, I_c=-0.1mA, f=1KHZ, Rg=10KΩ			10	dB

CLASSIFICATION OF $h_{FE(1)}$

Rank	**O**	**Y**	**GR**
Range	70-140	120-240	200-400