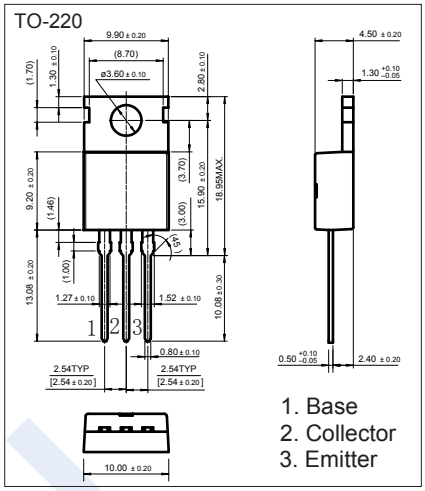
PNP Transistors

KTA968A



■ Features

- High Transition Frequency
- Comlementary to KTC2238A

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V_{CBO}	-180	V
Collector - Emitter Voltage	V_{CEO}	-180	
Emitter - Base Voltage	V_{EBO}	-5	
Collector Current - Continuous	I_C	-1.5	A
Collector Power Dissipation Tc = 25℃	P_C	25	W
Junction Temperature	T_J	150	℃
Storage Temperature range	T_{stg}	-55 to 150	

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V_{CBO}	I_C= -1 mA, I_E=0	-180			V
Collector- emitter breakdown voltage	V_{CEO}	I_C= -10 mA, I_B=0	-180			
Emitter - base breakdown voltage	V_{EBO}	I_E= -1 mA, I_C=0	-5			
Collector-base cut-off current	I_{CBO}	V_{CB}= -160V , I_E=0			-1	uA
Emitter cut-off current	I_{EBO}	V_{EB}= -5V , I_C=0			-1	
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-500mA, I_B=-50mA			-1.5	V
Base - emitter saturation voltage	$V_{BE(sat)}$	I_C=-500mA, I_B=-50mA			-1.2	
Base - emitter voltage	V_{BE}	V_{CE}= -5V, I_C= -500mA			-1	
DC current gain	h_{FE}	V_{CE}= -5V, I_C= -100mA	70		240	
Collector output capacitance	C_{ob}	V_{CB}= -10V, I_E= 0,f=1MHz		30		pF
Transition frequency	f_T	V_{CE}= -10V, I_C= -100mA		100		MHz

■ Classification of h_{fe}

Type	KTA968A-O	KTA968A-Y
Range	70-140	120-240