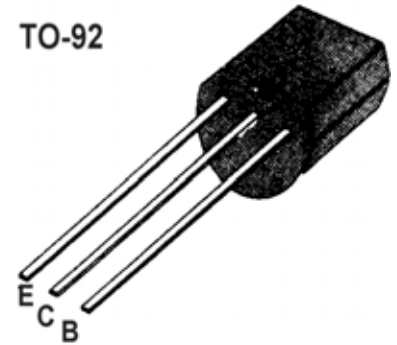


PNP Transistors
■■ APPLICATION: Low Noise Audio Amplifier Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	-120	V
Collector-emitter voltage	V_{CEO}	-120	V
Emitter-base voltage	V_{EBO}	-5	V
Collector current	I_C	-100	mA
Base current	I_B	-20	mA
Collector Power Dissipation	P_C	0.3	W
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55~125	°C


■■ ELECTRICAL CHARACTERISTICS

 (Ta=25°C, R_G=10KΩ)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION		
Collector-Base Breakdown Voltage	BV_{CBO}	-120			V	$I_C=-0.1mA$	$I_E=0$	
Collector-Emitter Breakdown Voltage	BV_{CEO}	-120			V	$I_C=-1mA$	$I_B=0$	
Emitter-Base Breakdown Voltage	BV_{EBO}	5			V	$I_E=-0.1mA$	$I_C=0$	
Collector Cut-off Current	I_{CBO}			-0.1	uA	$V_{CB}=-120V$	$I_E=0$	
Emitter Cut-off Current	I_{EBO}			-0.1	uA	$V_{EB}=-5V$	$I_C=0$	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-0.3	V	$I_C=-10mA$	$I_B=-1mA$	
Base-Emitter Voltage	V_{BE}		-0.65		V	$V_{CE}=-6V$	$I_C=-2mA$	
DC Current Gain	h_{FE}	200		700	β	$V_{CE}=-6V$	$I_C=-2mA$	
Gain bandwidth product	f_T		100		MHz	$V_{CE}=-6V$	$I_C=-1mA$	
Common Base Output Capacitance	C_{ob}		4		pF	$V_{CB}=-10V$	$I_E=0$	f=1MHz
Noise Figure	NF			2	dB	$V_{CE}=-6V$	$I_C=-0.1mA$	f=1KHz

■■ h_{FE} Classification And Marking

Print Mark	A970	
Classification	GR	BL
h_{FE}	200~400	350~700