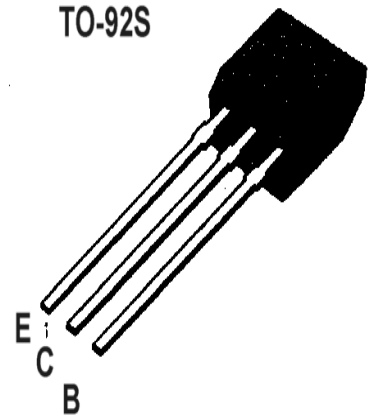


APPLICATION: AF Amplifier Applications.

MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CB0}	60	V
Collector-emitter voltage	V _{CEO}	50	V
Emitter-base voltage	V _{EBO}	5	V
Collector current	I _c	0.1	A
Base current	I _b	0.02	A
Collector Power Dissipation	P _c	0.25	W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C, R_G=10KΩ)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION		
Collector-Base Breakdown Voltage	BV _{cbo}	60			V	I _c =50uA	I _e =0	
Collector-Emitter Breakdown Voltage	BV _{ceo}	50			V	I _c =1mA	I _b =0	
Emitter-Base Breakdown Voltage	BV _{ebo}	5			V	I _e =50uA	I _c =0	
Collector Cut-off Current	I _{cbo}			0.1	uA	V _{cb} =60V	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)}		0.1	0.3	V	I _c =100mA	I _b =10mA	
Base-Emitter Saturation Voltage	V _{be(sat)}		0.86	1	V	I _c =100mA	I _b =10mA	
DC Current Gain	h _{FE}	110		600	β	V _{ce} =6V	I _c =1mA	
Gain bandwidth product	f _T	150	250	450	MHz	V _{ce} =6V	I _e =-10mA	
Common Base Output Capacitance	C _{ob}		3	4	pF	V _{cb} =6V	I _e =0	f=1MHz
Noise Figure	NF		0.8	15	dB	V _{ce} =6V	I _c =0.1mA	f=1KHz

h_{FE} Classification And Marking

Print Mark	BR					
Classification	RF	JF	HF	FF	EF	KF
h _{FE}	110~180	135~220	170~270	200~320	250~400	300~600