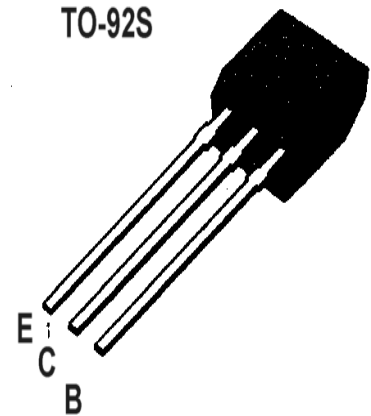


■ ■ APPLICATION: General Purpose Amplifier Applications.

■ ■ 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}	7	V
Collector current	I _c	0.15	A
Collector Power Dissipation	P _c	0.3	W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C



■ ■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

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}	7			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} =7V	I _c =0	
Collector-Emitter Saturation Voltage	V _{ce(sat)}			0.4	V	I _c =50mA	I _e =5mA	
DC Current Gain	h _{FE}	120		560	β	V _{ce} =6V	I _c =1mA	
Gain bandwidth product	f _T	100	180		MHz	V _{ce} =12V	I _e =-2mA	f=100MHz
Common Base Output Capacitance	C _{ob}		2	3.5	pF	V _{cb} =12V	I _e =0	f=1MHz

■ ■ h_{FE} Classification And Marking

Print Mark	C1740S		
Classification	Q	R	S
h _{FE}	120~270	180~390	270~560