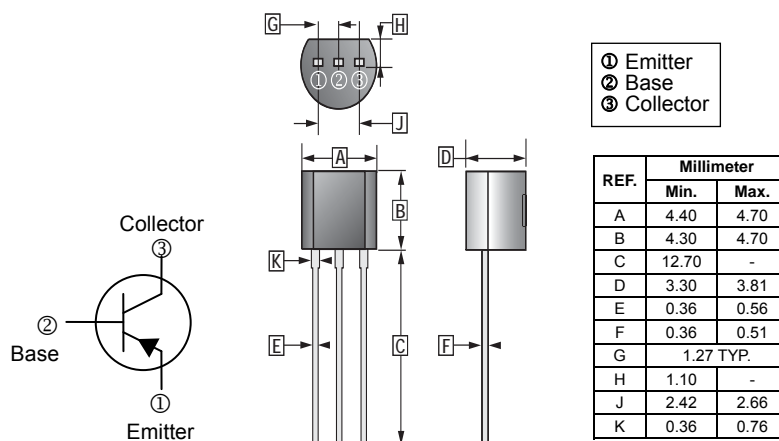


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Switching and amplification in high voltage
- Applications such as telephony
- Low current(max.600mA)
- High voltage(max.130V)

TO-92



ABSOLUTE MAXIMUM RATINGS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V _{CB0}	-130	V
Collector to Emitter Voltage	V _{CEO}	-120	V
Emitter to Base Voltage	V _{EBO}	-5	V
Collector Current - Continuous	I _C	-600	mA
Collector Power Dissipation	P _C	625	mW
Junction, Storage Temperature	T _J , T _{STG}	150, -55~150	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Collector to Base Breakdown Voltage	V _{(BR)CBO}	-130	-	-	V	I _C =-100μA, I _E =0A
Collector to Emitter Breakdown Voltage	V _{(BR)CEO}	-120	-	-	V	I _C =-1mA, I _B =0A
Emitter to Base Breakdown Voltage	V _{(BR)EBO}	-5	-	-	V	I _E =-10μA, I _C =0A
Collector Cut-Off Current	I _{CBO}	-	-	-0.1	μA	V _{CB} =-100V, I _E =0A
Emitter Cut-Off Current	I _{EBO}	-	-	-0.1	μA	V _{EB} =-3V, I _C =0mA
DC Current Gain	h _{FE1}	30	-	-		V _{CE} =-5V, I _C =-1mA
	h _{FE2}	40	-	180		V _{CE} =-5V, I _C =-10mA
	h _{FE3}	40	-	-		V _{CE} =-5V, I _C =-50mA
Collector to Emitter Saturation Voltage	V _{CE(sat)}	--	-	-0.2	V	I _C =-10mA, I _B =-1mA
		--	-	-0.5	V	I _C =-50mA, I _B =-5mA
Base to Emitter Voltage	V _{BE(sat)}	--	-	-1	V	I _C =-10mA, I _B =-1mA
		--	-	-1	V	I _C =-50mA, I _B =-5mA
Collector Output Capacitance	C _{ob}	-	-	6	pF	V _{CB} =-10V, I _E =0A, f=1MHz
Transition Frequency	f _T	100	-	-	MHZ	V _{CE} =-10V, I _C =-10mA, f=30MHZ

CHARACTERISTIC CURVES

