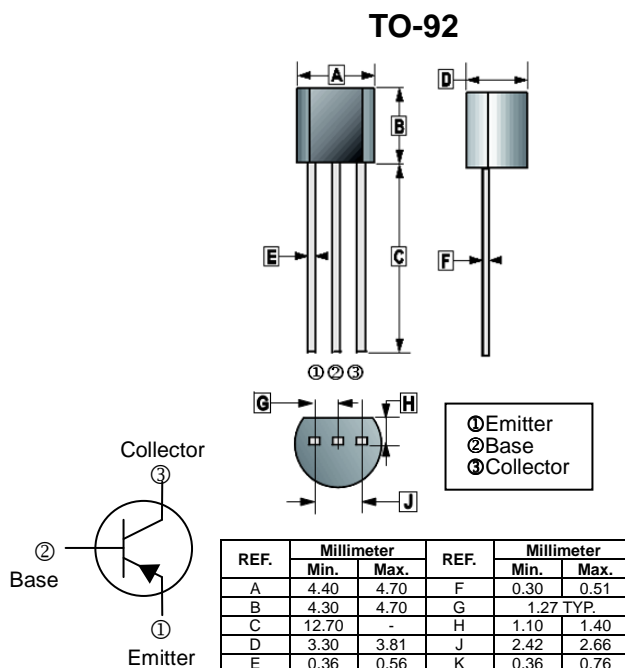


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- General Purpose Amplification.



ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-60	V
Emitter to Base Voltage	V_{EBO}	-4	V
Collector Current - Continuous	I_C	-0.5	A
Collector Power Dissipation	P_C	625	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	200	$^\circ\text{C} / \text{W}$
Junction, Storage Temperature	T_J, T_{STG}	150, -55~150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	-60	-	-	V	$I_C = -0.1\text{mA}, I_E = 0$
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	-60	-	-	V	$I_C = -1\text{mA}, I_B = 0$
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	-4	-	-	V	$I_E = -0.1\text{mA}, I_C = 0$
Collector Cut-Off Current	I_{CBO}	-	-	-0.1	μA	$V_{CB} = -60\text{V}, I_E = 0$
Collector cut-off current	I_{CEO}	-	-	-0.1	μA	$V_{CE} = -60\text{V}, I_B = 0$
Emitter Cut-Off Current	I_{EBO}	-	-	-0.1	μA	$V_{EB} = -4\text{V}, I_C = 0$
DC Current Gain	h_{FE}	100	-	-		$V_{CE} = -1\text{V}, I_C = -10\text{mA}$
		100	-	-		$V_{CE} = -1\text{V}, I_C = -100\text{mA}$
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	-0.25	V	$I_C = -100\text{mA}, I_B = -10\text{mA}$
Base to Emitter Voltage	V_{BE}	-	-	-1.2	V	$I_C = -100\text{mA}, V_{CE} = -1\text{V}$
Transition Frequency	f_T	50	-	-	MHz	$V_{CE} = -1\text{V}, I_C = -100\text{mA}, f = 100\text{MHz}$