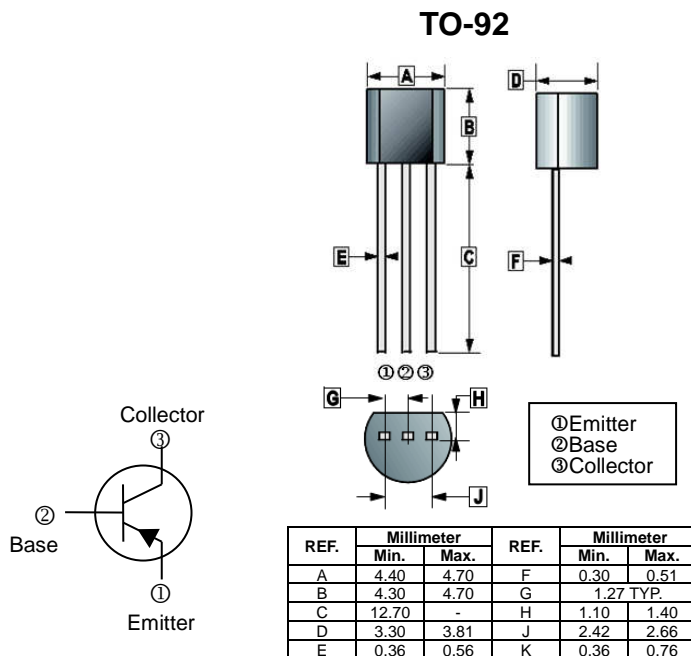


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- General Purpose Switching and Amplification.



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

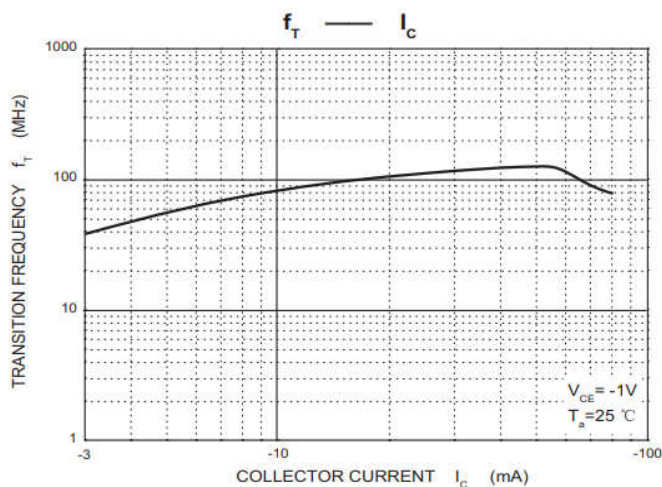
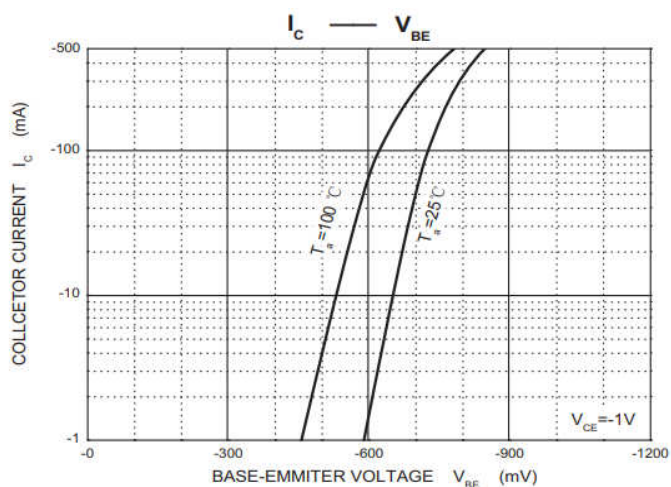
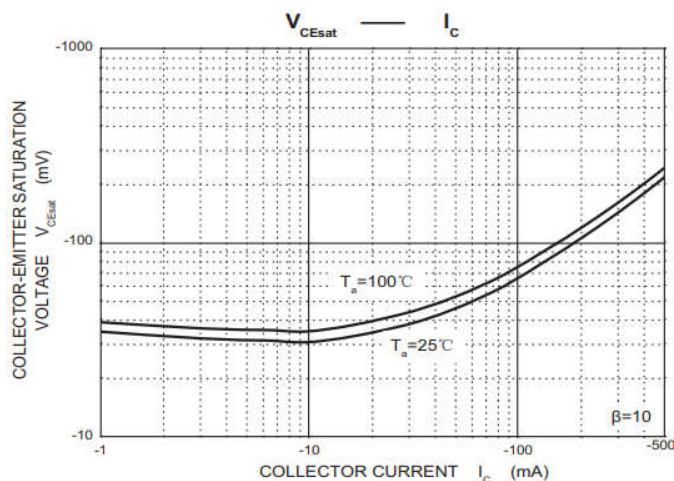
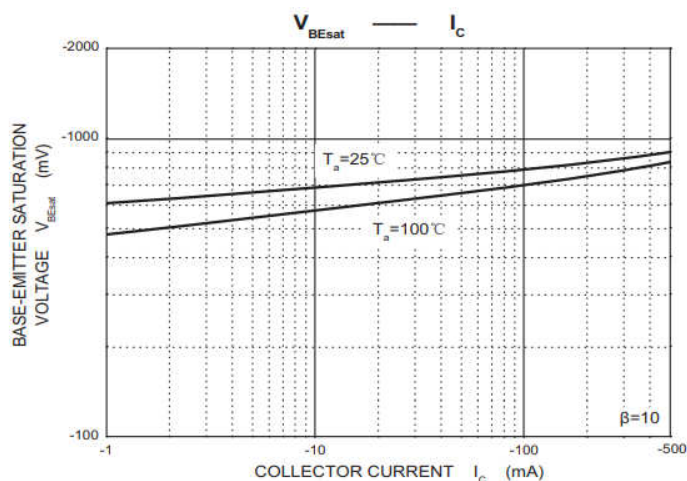
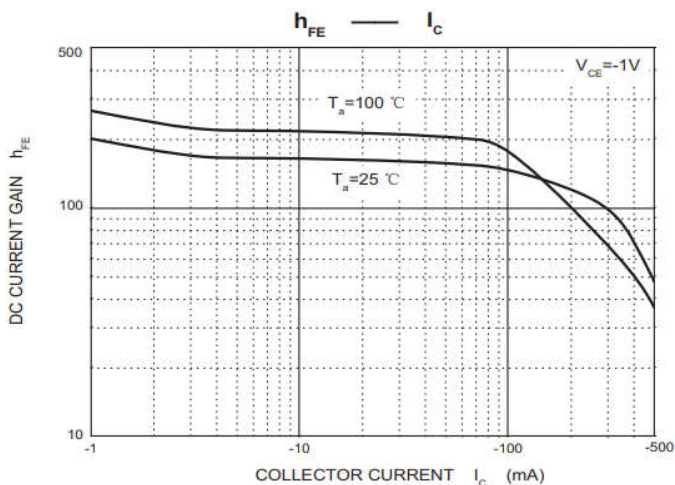
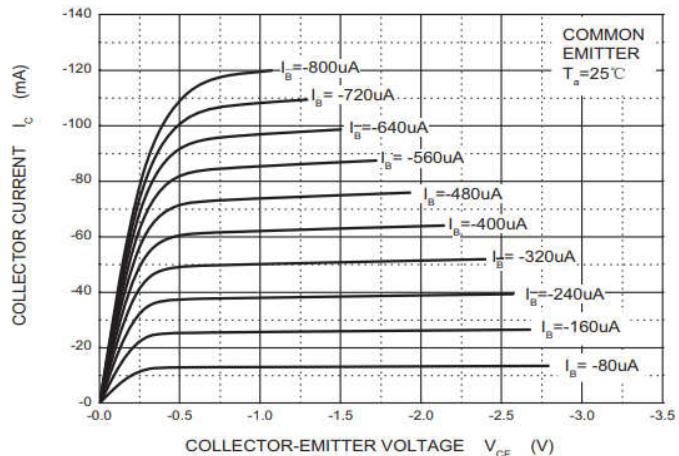
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V _{CB0}	-80	V
Collector to Emitter Voltage	V _{CE0}	-80	V
Emitter to Base Voltage	V _{EB0}	-4	V
Collector Current - Continuous	I _C	-0.5	A
Collector Power Dissipation	P _C	625	mW
Thermal Resistance From Junction To Ambient	R _{θJA}	200	°C / W
Junction, 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}	-80	-	-	V	I _C = -100μA, I _E =0
Collector to Emitter Breakdown Voltage	V _{(BR)CEO}	-80	-	-	V	I _C = -1mA, I _B =0
Emitter to Base Breakdown Voltage	V _{(BR)EBO}	-4	-	-	V	I _E = -100μA, I _C =0
Collector Cut-Off Current	I _{CBO}	-	-	-0.1	μA	V _{CB} = -80V, I _E =0
Collector Cut-Off Current	I _{CEO}	-	-	-0.1	μA	V _{CE} = -60V, I _B =0
Emitter Cut-Off Current	I _{EBO}	-	-	-0.1	μA	V _{EB} = -4V, I _C =0
DC Current Gain	h _{FE} (1)	100	-	-		V _{CE} = -1V, I _C = -10mA
	h _{FE} (2)	100	-	-		V _{CE} = -1V, I _C = -100mA
Collector to Emitter Saturation Voltage	V _{CE(sat)}	-	-	-0.25	V	I _C = -100mA, I _B = -10mA
Base to Emitter Voltage	V _{BE(sat)}	-	-	-1.2	V	I _C = -100mA, V _{CE} = -1V
Transition Frequency	f _T	50	-	-	MHz	V _{CE} = -1V, I _C = -100mA, f=100MHz

TYPICAL CHARACTERISTICS

Static Characteristic



TYPICAL CHARACTERISTICS

