

TO-92 Plastic-Encapsulate Transistors

FEATURES

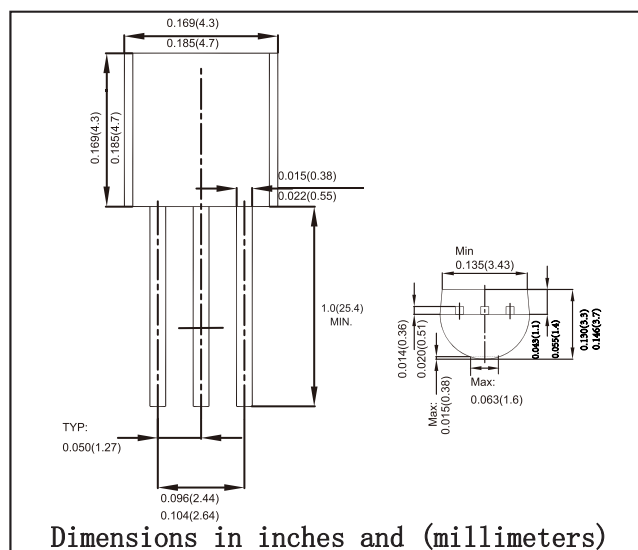
- Low Saturation Voltage: $V_{CE(sat)}$
- High DC Current Gain
- TRANSISTOR (PNP)

MECHANICAL DATA

- Case style:TO-92 molded plastic
- Mounting position:any

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)



Parameter	Symbol	Value	Unit
Collector-Base Voltage	VCBO	-20	V
Collector-Emitter Voltage	VCEO	-20	V
Emitter-Base Voltage	VEBO	-6	V
Collector Current -Continuous	IC	-2	A
Collector Power Dissipation	kD	750	mW
Thermal Resistance from Junction to Ambient	RKJA	166	°C /W
Operation Junction and Storage Temperature Range	Tstg	-55~+150	°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -0.1mA, I_E = 0$	-20			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -10mA, I_B = 0$	-20			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -0.1mA, I_C = 0$	-6			V
Collector cut-off current	I_{CBO}	$V_{CB} = -20V, I_E = 0$			-0.1	
Emitter cut-off current	I_{EBO}	$V_{EB} = -6V, I_C = 0$			-0.1	
DC current gain	$h_{FE(1)}$	$V_{CE} = -2V, I_C = -0.1A$	120		400	
	$h_{FE(2)}$	$V_{CE} = -2V, I_C = -2A$	40			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -2A, I_B = -0.1A$			-0.5	V
Base-emitter voltage	V_{BE}	$V_{CE} = -2V, I_C = -0.1A$			-0.85	V
Collector output capacitance	C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		40		pF
Transition frequency	f_T	$V_{CE} = -2V, I_C = -0.5A$		120		MHz

RATINGS AND CHARACTERISTIC CURVES

