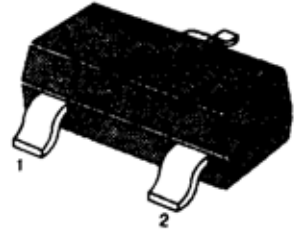


■■ APPLICATION: Interface Circuit and Driver Circuit Applications.

■■ MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$)

SOT-323

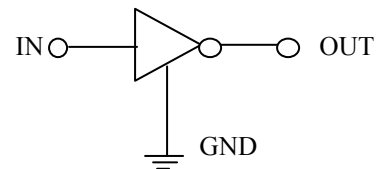
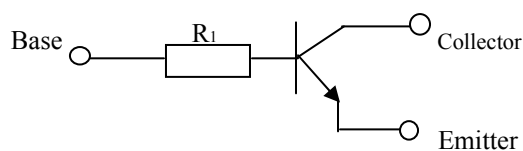
PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	50	V
Collector-emitter voltage	V_{CEO}	50	V
Emitter-base voltage	V_{EBO}	5	V
Collector current	I_c	100	mA
Collector Power Dissipation	P_c	200	mW
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 55~150	$^{\circ}\text{C}$



1.Base 2.Emmitter 3.Collector

■■ ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE}	100	250	600		$V_{CE}=5\text{V}$, $I_c=1\text{mA}$
Input Voltage	R_i	7	10	13	K Ω	
Collector Cut-off Current	I_{CBO}			0.5	μA	$V_{CB}=50\text{V}$, $I_E=0$
Emitter Cut-off Current	I_{EBO}			0.5	μA	$V_{EB}=4\text{V}$, $I_c=0$
Collector-Base Breakdown Voltage	BV_{CBO}	50			V	$I_c=0.05\text{mA}$, $I_E=0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	50			V	$I_c=1\text{mA}$, $I_B=0$
Emitter-Base Breakdown Voltage	BV_{EBO}	5			V	$I_E=0.05\text{mA}$, $I_c=0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			0.3	V	$I_c=10\text{mA}$, $I_B=1\text{mA}$
Gain bandwidth product	f_T	150	250		MHz	$I_c=10\text{mA}$, $V_{CE}=5\text{V}$, $f=100\text{MHz}$


■■ h_{FE} Classification And Marking

Print Mark

T04

Classification

 h_{FE}

100~600