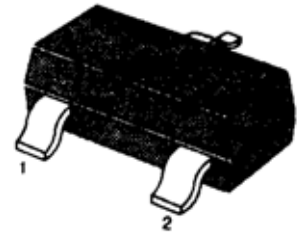


■■ APPLICATION:Interface Circuit and Driver Circuit Applications.

SOT-323

■■ MAXIMUM RATINGS (Ta=25°C)

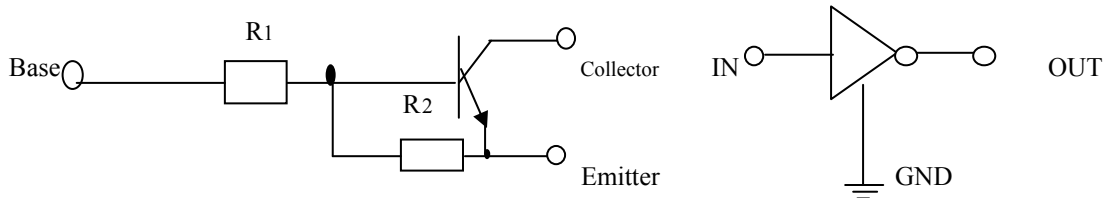
PARAMETER	SYMBOL	RATING	UNIT
Supply Voltage	V _{CC}	-50	V
Input Voltage	V _{in}	-30~+10	V
Output Current	I _o	-100	mA
Collector current	I _{C (max)}	-100	
Collector Power Dissipation	P _C	200	mW
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{stg}	- 55~150	°C



1. Base 2. Emitter 3. Collector

■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h _{FE}	20				V _O =-5V, I _o = -10 mA
Input Voltage	V _{i (off)}			-0.5	V	V _{CC} =-5V, I _o = -100μA
	V _{i (on)}	-3				V _O = -0.3V, I _o = -20mA
Output Voltage	V _{o (on)}		-0.1	-0.3	V	I _o = -10mA, I _i = -0.5mA
Input Current	I _i			-0.18	mA	V _i =-5V
Output Current	I _{o (off)}			-0.5	μA	V _{CC} =-50V, V _i = 0V
Input Resistance	R ₁	3.29	4.7	6.11	KΩ	
Output Resistance	R ₂	3.29	4.7	6.11	KΩ	
Gain bandwidth product	f _T	150	250		MHz	V _{CE} =-10V, I _C = -5mA, f =100MHz, f =100MHz


■■ h_{FE} Classification And Marking

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Print Mark

Classification

 h_{FE}

≥20