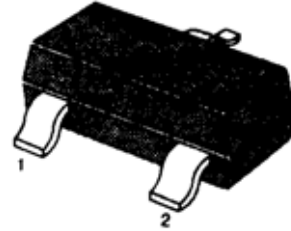


■■ APPLICATION: Interface Circuit and Driver Circuit Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

SOT-323

PARAMETER	SYMBOL	RATING	UNIT
Supply Voltage	V _{CC}	-50	V
Input Voltage	V _{IN}	-30~+10	V
Output Current	I _O	-100	V
	I _C	-100	mA
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 = -10mA
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			-1.8	mA	V _i =-5V
Output Current	I _{o (off)}			-0.5	μA	V _{CC} =-50V, V _i =0
Input Resistance	R	3.29	4.7	6.11	KΩ	
Output Resistance	R1/R2	0.8	1	1.2		
Gain bandwidth product			250		f _T	V _{CB} = -10V, I _E =5mA, f = 100MHz

■■ h_{FE} Classification And Marking

Print Mark 23

Classification

h_{FE} ≥ 20