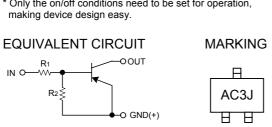
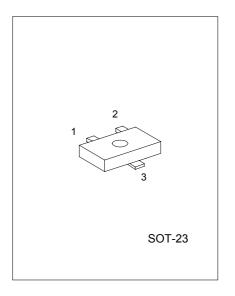
PNP DIGITAL TRANSISTOR (BUILT-IN RESISTORS)

FEATURES

- * Built-in bias resistors enable the configuration of an inverter circuit without connecting external input resistors (see equivalent circuit).
- * The bias resistors consist of thin-film resistors with complete isolation to allow positive biasing of the input. They also have the advantage of almost completely eliminating parasitic effects.
- * Only the on/off conditions need to be set for operation,





3: OUT 1: GND 2· IN

ABSOLUTE MAXIMUM RATINGS (Ta = 25℃)

-o out

GND(+)

PARAMETER	SYMBOL	RATINGS	UNIT	
Supply voltage	Vcc	-50	V	
Input voltage	Vin	-12 ~ +5	V	
Output current	lo	-100	mA	
	IC (Max.)	-100		
Power Dissipation	PD	200	mW	
Junction temperature	Tj	150	$^{\circ}$	
Storage temperature	Tstg	-55 ~ +150	$^{\circ}$	

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

	-1100	(1a - 25 C)	_	_	_	_
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Input voltage	VI (off)	Vcc=-5V, Io=-100 μ A			-0.5	V
	VI (on)	Vo=-0.3V, Io=-5mA	-1.1			V
Output voltage	Vo (on)	Io/I:=-5mA/-0.25mA		-0.1	-0.3	V
Input current	li	V ₁ =-5V			-3.6	mA
Output current	IO (off)	Vcc=-50V, Vi=0V			-0.5	μA
DC current gain	Gı	Vo=-5V, Io=-10mA	80			
Input resistance	R ₁		1.54	2.2	2.86	ΚΩ
Resistance ratio	R2/R1		17	21	26	
Transition frequency	f⊤	Vce=-10V, Ie=5mA, f=100MHz *		250		MHz

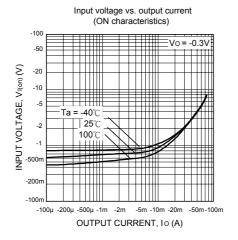
^{*} Transition frequency of the device

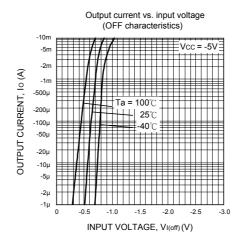


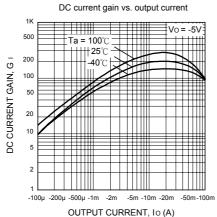
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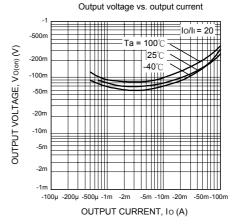
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ELECTRICAL CHARACTERISTIC CURVES









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