



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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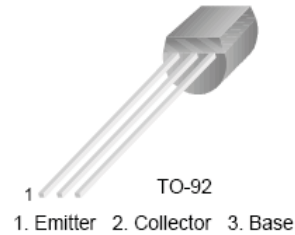


2N6076

PNP Small Signal Transistor

Features

- BV_{ceo}25V(Min)
- hFE 100(Min) @ V_{ce}=10V, I_c=10mA
- Pb free



Absolute Maximum Ratings T_a = 25°C unless otherwise noted

Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage	-25	V
V _{CEO}	Collector-Emitter Voltage	-25	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current	500	mA
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature Range	-55 ~ 150	°C

* 1. These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Thermal Characteristics* T_a = 25°C unless otherwise noted

Symbol	Parameter	Max	Unit
P _C	Collector Power Dissipation, by R _{θJA}	625	mW
R _{θJA}	Thermal Resistance, Junction to Ambient	200	°C/W

- * 2. These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.
 3. These ratings are based on a maximum junction temperature of 150 degrees C.
 4. Minimum land pad.

Electrical Characteristics* T_a = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Unit
BV _{CB0}	Collector-Base Breakdown Voltage	I _C = -100μA, I _E = 0	-25		V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA, I _B = 0	-25		V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -10μA, I _C = 0	-5		V
I _{CBO}	Collector Cut-off Current	V _{CE} = -25V V _{CE} = -25V, T = +100°C		-100 10	nA uA
I _{CES}	Collector Cut-off Current	V _{CE} = -25V		-100	nA
I _{EBO}	Emitter Cut-off Current	V _{CE} = -3V		-100	nA
h _{FE}	DC Current Gain	V _{CE} = 1V, I _C = -10mA	100	500	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -10mA, I _B = -1mA		-0.25	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = -10mA, I _B = -1mA		-0.80	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -10V, I _C = -10mA	-0.5	-1.2	V
C _{cb}	Output Capacitance	V _{CB} = -10V, f = 1MHz	1	13	pF
h _{fe}	Small Signal Current Gain	V _{CE} = -10V, I _C = 10mA, f = 1kHz	100	750	

* DC Item are tested by Pulse Test : Pulse Width ≤ 300us, Duty Cycle ≤ 2%



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