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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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

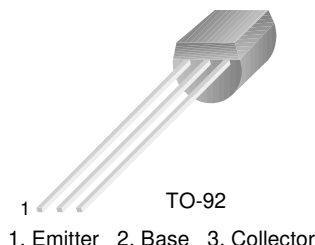


2N6428/6428A

2N6428/6428A

Amplifier Transistor

- Collector-Emitter Voltage: $V_{CE0} = 50V$
- Collector Dissipation: $P_C (\text{max}) = 625mW$



NPN Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_a = 25^\circ C$ unless otherwise noted

Symbol	Parameter	Value	Units
V_{CBO}	Collector-Base Voltage	60	V
V_{CEO}	Collector-Emitter Voltage	50	V
V_{EBO}	Emitter-Base Voltage	6	V
I_C	Collector Current	200	mA
P_C	Collector Dissipation	625	mW
T_J	Junction Temperature	150	$^\circ C$
T_{STG}	Storage Temperature	-55 ~ 150	$^\circ C$

• Refer to 2N5088 for graphs

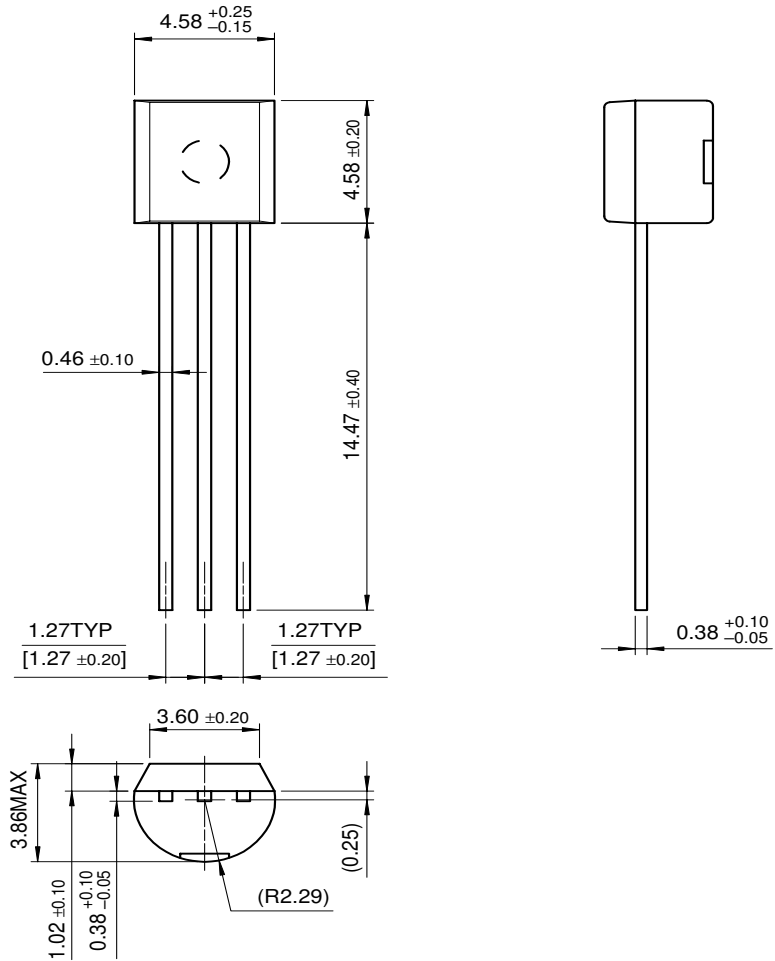
Electrical Characteristics $T_a = 25^\circ C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Units
BV_{CBO}	Collector-Base Breakdown Voltage	$I_C = 100\mu A, I_E = 0$	60			V
BV_{CEO}	* Collector-Emitter Breakdown Voltage	$I_C = 1mA, I_B = 0$	50			V
I_{CBO}	Collector Cut-off Current	$V_{CB} = 30V, I_E = 0$			10	nA
I_{CEO}	Collector Cut-off Current	$V_{CE} = 30V, I_B = 0$			25	nA
I_{EBO}	Emitter Cut-off Current	$V_{BE} = 5V, I_C = 0$			10	nA
h_{FE}	* DC Current Gain	$V_{CE} = 5V, I_C = 10\mu A$ $V_{CE} = 5V, I_C = 100\mu A$ $V_{CE} = 5V, I_C = 1mA$ $V_{CE} = 5V, I_B = 10mA$	250 250 250 250		650	
$V_{CE} (\text{sat})$	* Collector-Emitter Saturation Voltage	$I_C = 10mA, I_B = 0.5mA$ $I_C = 100mA, I_B = 5mA$			0.2 0.6	V V
$V_{BE} (\text{on})$	Base-Emitter On Voltage	$I_C = 1mA, V_{CE} = 5V$	0.56		0.66	V
C_{ob}	Output Capacitance	$V_{CB} = 10V, I_E = 0, f = 1MHz$			3	pF
f_T	Current Gain Bandwidth Product	$V_{CE} = 5V, I_C = 1mA, f = 100MHz$	100		700	MHz
NF/NV	Noise Figure/Noise Voltage Level	$V_{CE} = 5V, I_C = 100\mu A$ (1) $R_S = 10K\Omega, B_W = 1Hz$ $f = 100Hz$ (2) $R_S = 50K\Omega, B_W = 15.7Hz$ $f = 10Hz - 10KHz$ (3) $R_S = 500\Omega, B_W = 1Hz$ $f = 10Hz$			3/18.1 2/16.2 6/5.7 4/4.6 3.5/4.3 3/4.1	dB/nV dB/nV dB/nV dB/nV dB/nV dB/nV

Package Dimensions

2N6428/6428A

TO-92



Dimensions in Millimeters

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