



Micro Commercial Components



Micro Commercial Components
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2N5551

Features

- This device is designed for general purpose high voltage amplifiers and gas discharge display drivers.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: Type number
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	160	V
V_{CBO}	Collector-Base Voltage	180	V
V_{EBO}	Emitter-Base Voltage	6.0	V
I_C	Collector Current	600	mA
P_C	Collector Power Dissipation	625	mW
T_J	Operating Junction Temperature	-55 to +150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Voltage* ($I_C=1.0mA$, $I_B=0$)	160	---	Vdc
$V_{(BR)CBO}$	Collector-Base Voltage ($I_C=100\mu A$, $I_E=0$)	180	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Voltage ($I_E=10\mu A$, $I_C=0$)	6.0	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=35Vdc$, $I_E=0$) ($V_{CB}=120Vdc$, $I_E=0$, $T_A=100^\circ C$)	---	50 50	nAdc uAdc
I_{EBO}	Emitter Cutoff Current ($V_{EB}=5.0Vdc$, $I_C=0$)	---	50	nAdc

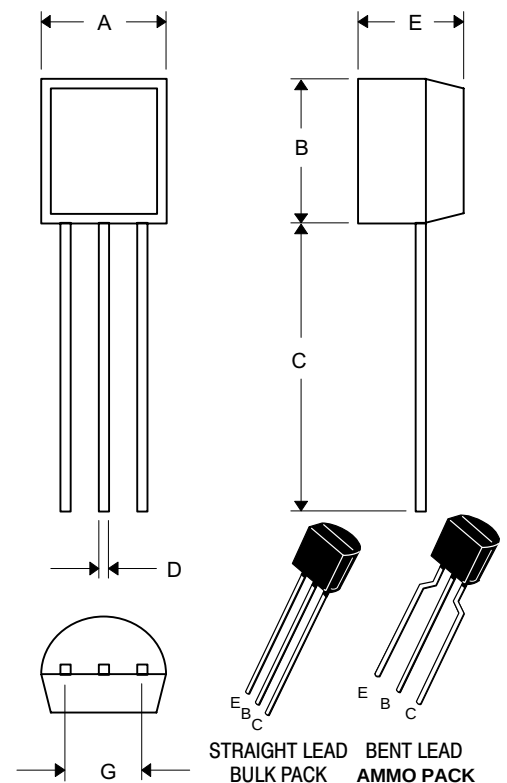
ON CHARACTERISTICS

h_{FE}	DC Current gain ($I_C=1.0mA$, $V_{CE}=5.0Vdc$) ($I_C=10mA$, $V_{CE}=5.0Vdc$) ($I_C=50mA$, $V_{CE}=5.0Vdc$)	80 80 30	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=50mA$, $I_B=5.0mA$)	---	0.5	Vdc
$V_{BE(sat)}$	Base-Emitter Voltage ($I_B=5.0mA$, $I_C=50mA$)	---	1.0	Vdc

* Pulse Test: Pulse Width<300us, Duty Cycle<2.0%

NPN General Purpose Amplifier Transistor

TO-92



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
	.173	.220	4.40	5.60	Bent Lead

* For ammo packing detailed specification, click here to visit our website of product packaging for details.

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ON CHARACTERISTICS

f_T	Transistor Frequency ($V_{CE}=10Vdc, I_C=10mA$)	100	300	MHz
C_{ob}	Collector Output Capacitance ($V_{CB}=10Vdc, I_E=0, f=1.0MHz$)	---	6.0	pF
C_{ibo}	Input Capacitance ($V_{CE}=10Vdc, I_C=0, f=1.0MHz$)	---	20	pF

Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

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Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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