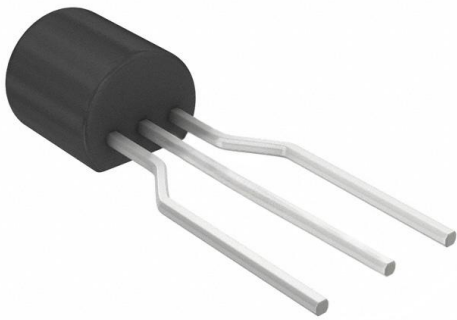


2SA562-Y-AP Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	2SA562-Y-AP-DG
Manufacturer	Micro Commercial Co
Manufacturer Product Number	2SA562-Y-AP
Description	TRANS PNP 30V 0.5A TO92
Detailed Description	Bipolar (BJT) Transistor PNP 30 V 500 mA 200MHz 500 mW Through Hole TO-92



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

2SA562-Y-AP

Series:

-

Transistor Type:

PNP

Voltage - Collector Emitter Breakdown (Max):

30 V

Current - Collector Cutoff (Max):

100nA (ICBO)

Power - Max:

500 mW

Operating Temperature:

150°C (TJ)

Package / Case:

TO-226-3, TO-92-3 (TO-226AA) Formed Leads

Base Product Number:

2SA562

Manufacturer:

Micro Commercial Co

Product Status:

Obsolete

Current - Collector (Ic) (Max):

500 mA

Vce Saturation (Max) @ Ib, Ic:

250mV @ 10mA, 100mA

DC Current Gain (hFE) (Min) @ Ic, Vce:

120 @ 100mA, 1V

Frequency - Transition:

200MHz

Mounting Type:

Through Hole

Supplier Device Package:

TO-92

Environmental & Export classification

RoHS Status:

RoHS Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.21.0075

M.C.C.

Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

2SA562-O 2SA562-Y

PNP Silicon Transistors

Features

- Excellent h_{FE} Linearity
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{CBO}	Collector-Base Voltage	-35	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
I_C	Collector Current	-500	mA
P_C	Collector power dissipation	500	mW
T_J	Junction Temperature	150	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}C$

Electrical Characteristics @ 25 $^{\circ}C$ Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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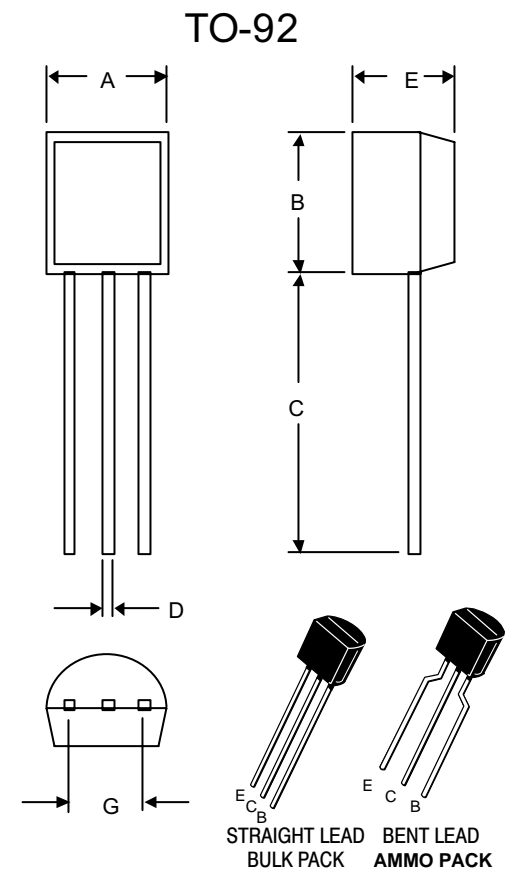
OFF CHARACTERISTICS

$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=-100\mu A_{dc}$, $I_E=0$)	-35	---	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=-1mA_{dc}$, $I_B=0$)	-30	---	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=-100\mu A_{dc}$, $I_C=0$)	-5.0	---	---	Vdc
I_{CBO}	Collector-Base Cutoff Current ($V_{CB}=-35V_{dc}$, $I_E=0$)	---	---	-0.1	μA_{dc}
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB}=-5.0V_{dc}$, $I_C=0$)	---	---	-0.1	μA_{dc}

ON CHARACTERISTICS

h_{FE}	DC Current Gain* ($I_C=-100mA_{dc}$, $V_{CE}=-1.0V_{dc}$)	70	---	240	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=-100mA_{dc}$, $I_B=-10mA_{dc}$)	---	---	-0.25	Vdc
V_{BE}	Base-Emitter Voltage ($V_{CE}=-1.0V_{dc}$, $I_C=-100mA_{dc}$)	---	---	-1.0	Vdc
f_T	Transition Frequency ($V_{CE}=-6V_{dc}$, $I_C=-20mA_{dc}$)	---	200	---	MHz
C_{ob}	Collector Output Capacitance ($V_{CB}=-6V_{dc}$, $I_E=0$, $f=1.0MHz$)	---	13	---	pF

* h_{FE} rank / O: 70-140, Y:120-240,



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.170	.190	4.33	4.83	
B	.170	.190	4.30	4.83	
C	.550	.590	13.97	14.97	
D	.010	.020	0.36	0.56	
E	.130	.160	3.30	3.96	
G	.096	.104	2.44	2.64	

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

www.mccsemi.com



Micro Commercial Components

Ordering Information :

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

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