



**Micro Commercial Components** 

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2SC2482 2SC2482-O 2SC2482-Y

# Features

- Halogen free available upon request by adding suffix "-HF" High Voltage: Vceo=300V
- Small collector output capacitance:Cob=3.0pF(Typ)
- 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	300	V
$V_{CBO}$	Collector-Base Breakdown Voltage	300	V
$V_{EBO}$	Emitter-Base Voltage	7.0	V
Ι <sub>c</sub>	Collector Current	0.1	Α
$P_{C}$	Collector Power Dissipation	0.9	W
TJ	Operating Junction Temperature	-55 to +150	°C
$T_{STG}$	Storage Temperature	-55 to +150	οС

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I <sub>C</sub> =3mAdc, I <sub>B</sub> =0)	300		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I <sub>C</sub> =100uAdc, I <sub>E</sub> =0)	300		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I <sub>E</sub> =100uAdc, I <sub>C</sub> =0)	7		Vdc
I <sub>CBO</sub>	Collector Cutoff Current (V <sub>CB</sub> =240Vdc, I <sub>E</sub> =0)		1.0	uAdc
I <sub>CEO</sub>	Collector Cutoff Current (V <sub>CB</sub> =220Vdc, I <sub>B</sub> =0)		5.0	uAdc
I <sub>EBO</sub>	Emitter Cutoff Current (V <sub>EB</sub> =7Vdc, I <sub>C</sub> =0)		1.0	uAdc

### **ON CHARACTERISTICS**

h <sub>FE(1)</sub>	DC Current Gain	30   150		
	$(I_C=20\text{mAdc}, V_{CE}=10\text{Vdc})$			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage		1.0	Vdc
, ,	(I <sub>C</sub> =10mAdc, I <sub>B</sub> =1mAdc)			
$V_{BE}$	Base-Emitter Saturation Voltage	1.0 Vdc		Vdc
	(I <sub>C</sub> =10mAdc, I <sub>B</sub> =1mAdc)			
Cob	Collector output capacitance			
COD	$V_{CB}=20V$ , $I_{E}=0$ , $f=1MHz$	3		pF

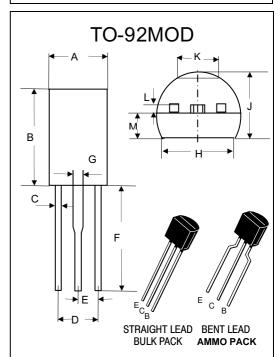
### **SMALL-SIGNAL CHARACTERISTICS**

f⊤	Transistor Frequency	50	 MHz
	(I <sub>C</sub> =20mAdc, V <sub>CE</sub> =10Vdc,		
	f=30MHz)		

## CLASSIFICATION OF HEE

Rank	0	Y
Range	30-90	90-150

# NPN **Epitaxial Silicon Transistor**



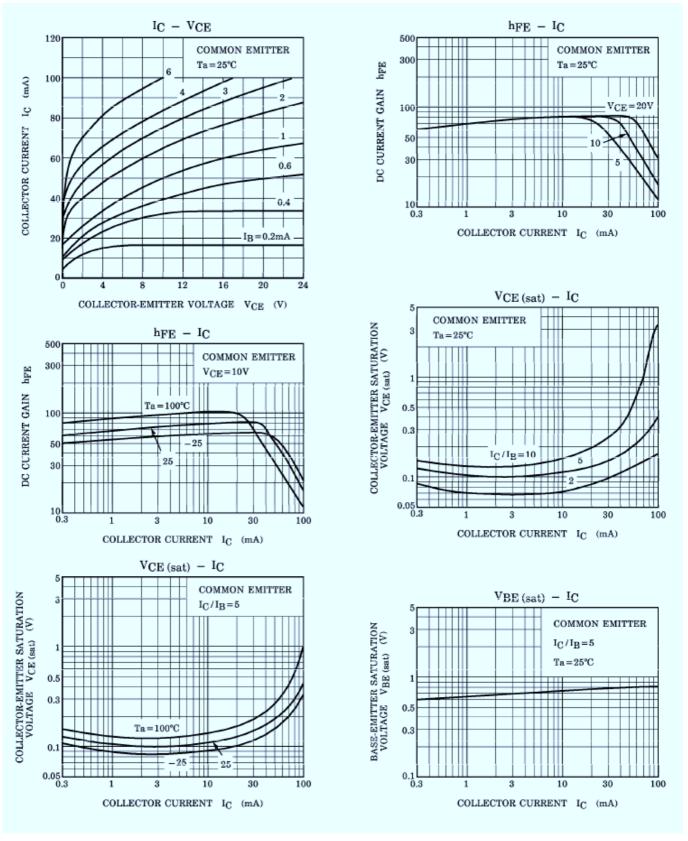
DIMENSIONS					
	INCHES MM				
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.228	.244	5.80	6.20	
В	.331	.346	8.40	8.80	
С	.016	.024	0.40	0.60	
D	.114	.122	2.90	3.10	Straight Lead
D	.173	.220	4.40	5.60	Bent Lead
Е	.059		1.50		Straight Lead
	.086	.110	2.20	2.80	Bent Lead
F	.543	.559	13.80	14.20	
G	.035	.043	0.90	1.10	
Н	.157		4.00	-	
J	.185	.201	4.70	5.10	
K		.063		1.60	
Ĺ	.016	.020	0.40	0.50	
М	.068	.080	1.73	2.03	

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

www.mccsemi.com

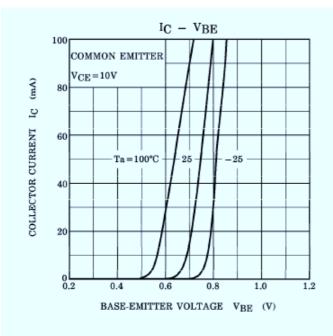
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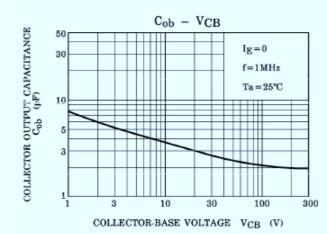
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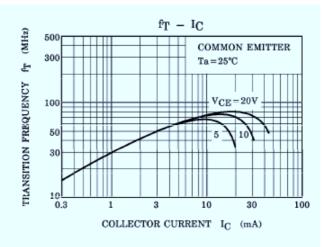


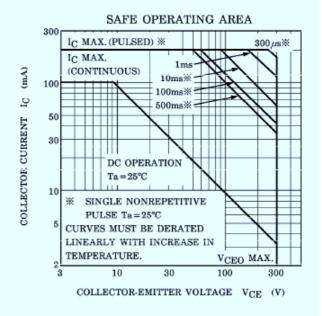


# 2SC2482











# **Ordering Information:**

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 50 Kpcs/Carton

Note: Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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