



Micro Commercial Components



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2SC2482
2SC2482-O
2SC2482-Y

Features

- Halogen free available upon request by adding suffix "-HF"
- High Voltage: $V_{CE0}=300V$
- Small collector output capacitance: $C_{ob}=3.0pF(Typ)$
- 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_{CE0}	Collector-Emitter Voltage	300	V
V_{CBO}	Collector-Base Breakdown Voltage	300	V
V_{EBO}	Emitter-Base Voltage	7.0	V
I_C	Collector Current	0.1	A
P_C	Collector Power Dissipation	0.9	W
T_J	Operating Junction Temperature	-55 to +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

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=3mA, I_B=0$)	300	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=100\mu A, I_E=0$)	300	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=100\mu A, I_C=0$)	7	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=240Vdc, I_E=0$)	---	1.0	μA
I_{CEO}	Collector Cutoff Current ($V_{CB}=220Vdc, I_B=0$)	---	5.0	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB}=7Vdc, I_C=0$)	---	1.0	μA

ON CHARACTERISTICS

$h_{FE(1)}$	DC Current Gain ($I_C=20mA, V_{CE}=10Vdc$)	30	150	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=10mA, I_B=1mA$)	---	1.0	Vdc
V_{BE}	Base-Emitter Saturation Voltage ($I_C=10mA, I_B=1mA$)	---	1.0	Vdc
Cob	Collector output capacitance $V_{CB}=20V, I_E=0, f=1MHz$	3		pF

SMALL-SIGNAL CHARACTERISTICS

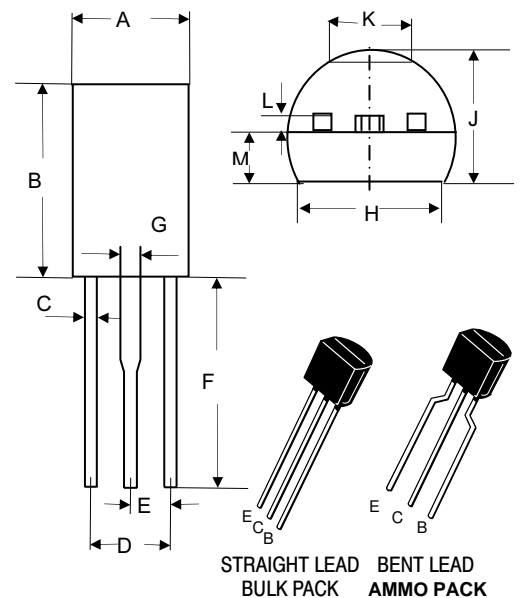
f_T	Transistor Frequency ($I_C=20mA, V_{CE}=10Vdc, f=30MHz$)	50	---	MHz
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CLASSIFICATION OF $h_{FE(1)}$

Rank	O	Y
Range	30-90	90-150

NPN
Epitaxial Silicon
Transistor

TO-92MOD

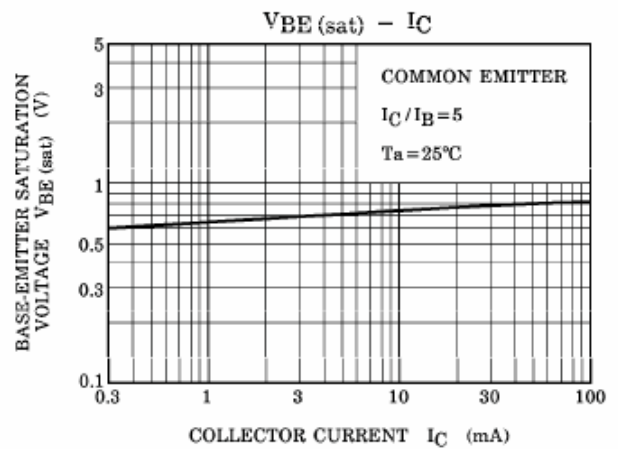
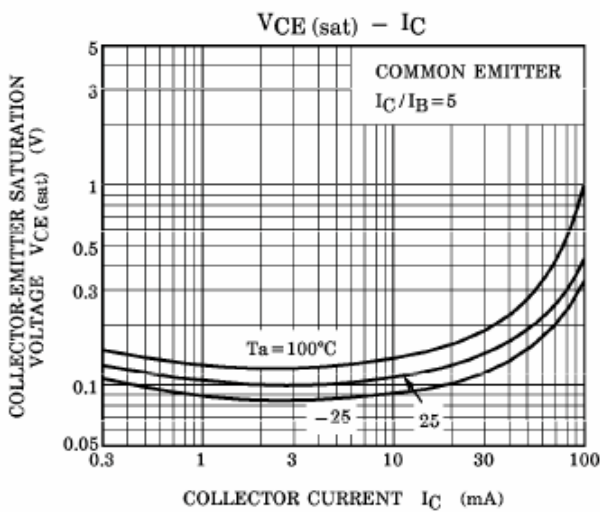
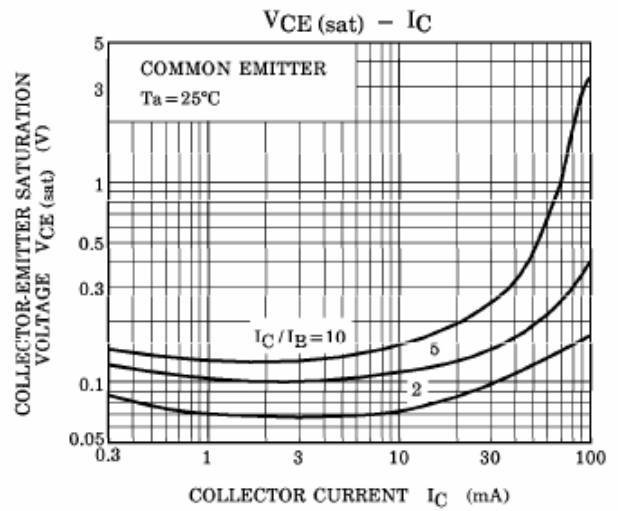
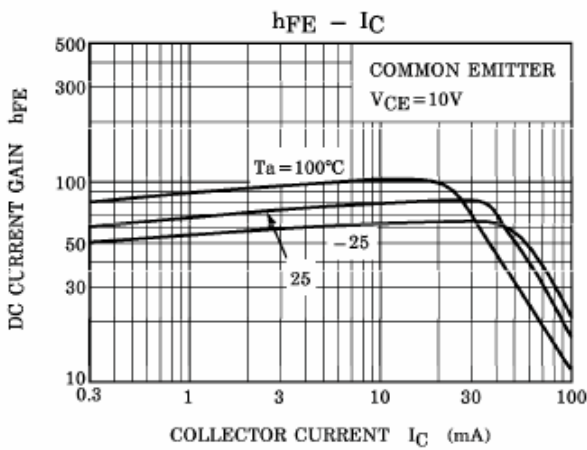
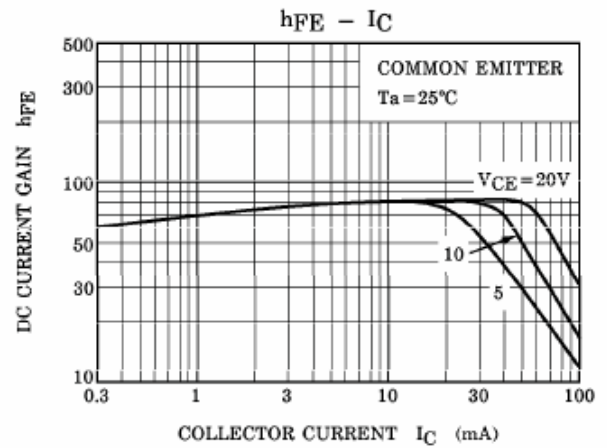
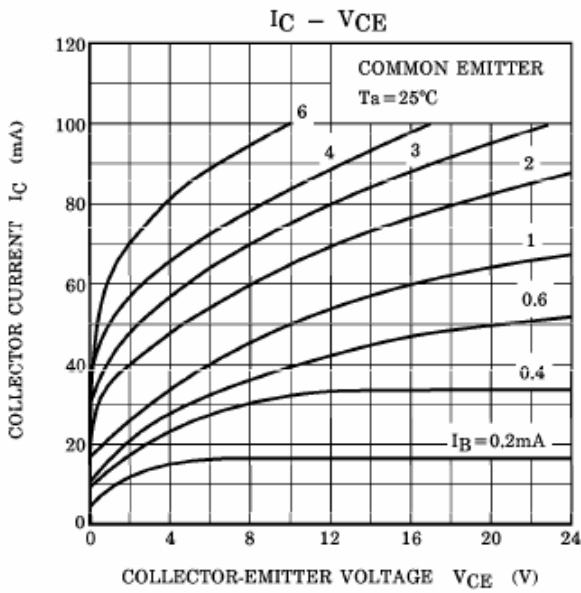


DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.228	.244	5.80	6.20	
B	.331	.346	8.40	8.80	
C	.016	.024	0.40	0.60	
D	.114	.122	2.90	3.10	Straight Lead
	.173	.220	4.40	5.60	Bent Lead
E	.059		1.50		Straight Lead
	.086	.110	2.20	2.80	Bent Lead
F	.543	.559	13.80	14.20	
G	.035	.043	0.90	1.10	
H	.157	---	4.00	---	
J	.185	.201	4.70	5.10	
K	---	.063	---	1.60	
L	.016	.020	0.40	0.50	
M	.068	.080	1.73	2.03	

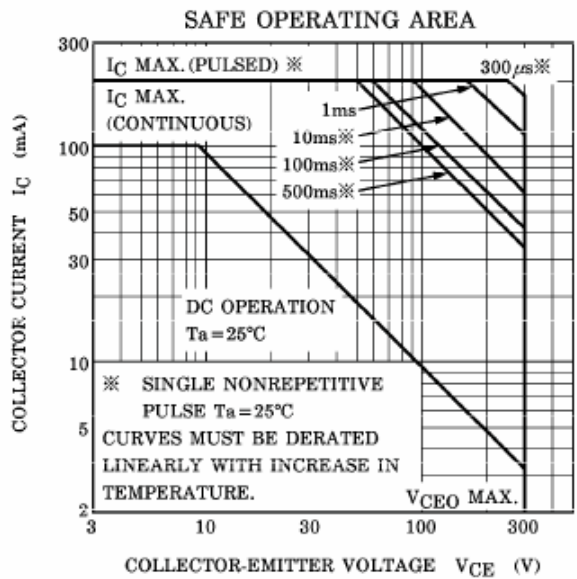
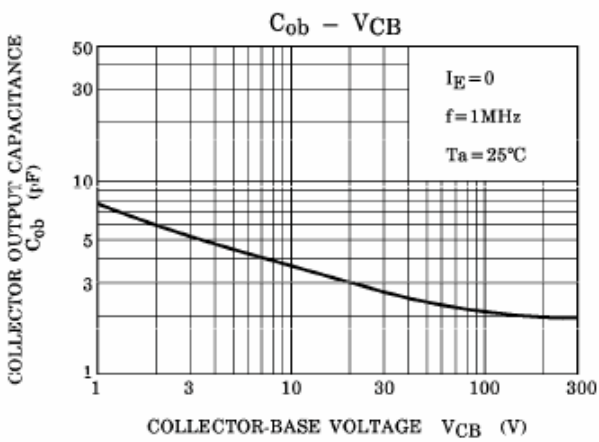
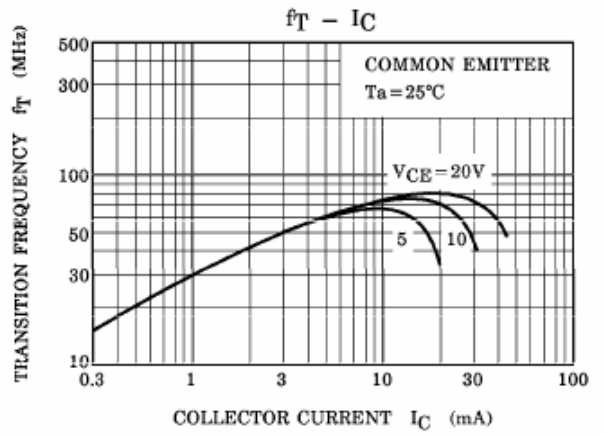
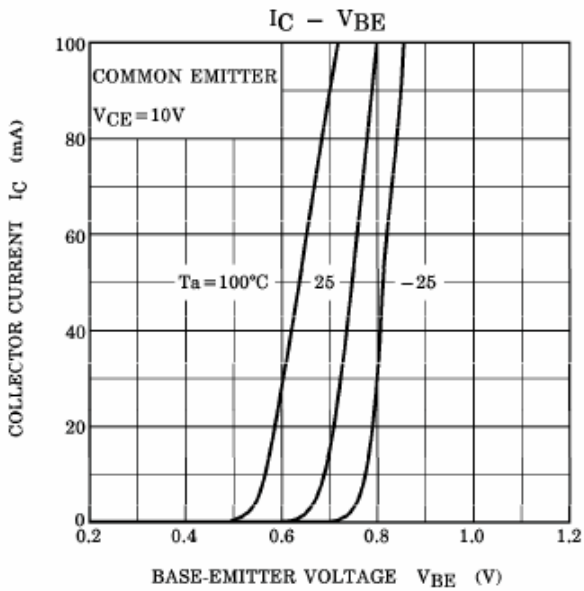
* For ammo packing detailed specification, click here to visit our website of product packaging for details.

www.mccsemi.com

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Ordering Information :

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

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

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