



Micro Commercial Components

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

2SC2482
2SC2482-O
2SC2482-Y

Features

- High Voltage: $V_{ce0}=300V$
- Small collector output capacitance: $C_{ob}=3.0pF$ (Typ)

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
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=3mA_{dc}$, $I_B=0$)	300	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=100\mu A_{dc}$, $I_E=0$)	300	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=100\mu A_{dc}$, $I_C=0$)	7	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=240V_{dc}$, $I_E=0$)	---	1.0	μA_{dc}
I_{CEO}	Collector Cutoff Current ($V_{CB}=220V_{dc}$, $I_B=0$)	---	5.0	μA_{dc}
I_{EBO}	Emitter Cutoff Current ($V_{EB}=7V_{dc}$, $I_C=0$)	---	1.0	μA_{dc}
ON CHARACTERISTICS				
$h_{FE(1)}$	DC Current Gain ($I_C=20mA_{dc}$, $V_{CE}=10V_{dc}$)	30	150	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=10mA_{dc}$, $I_B=1mA_{dc}$)	---	1.0	Vdc
V_{BE}	Base-Emitter Saturation Voltage ($I_C=10mA_{dc}$, $I_B=1mA_{dc}$)	---	1.0	Vdc
C_{ob}	Collector output capacitance $V_{CB}=20V$, $I_E=0$, $f=1MHz$	3		pF

SMALL-SIGNAL CHARACTERISTICS

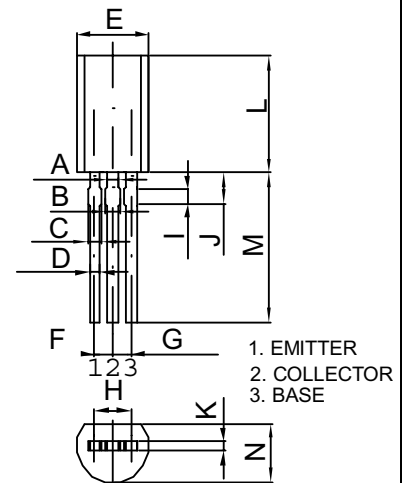
Symbol	Parameter	Min	Max	Units
f_T	Transistor Frequency ($I_C=20mA_{dc}$, $V_{CE}=10V_{dc}$, $f=30MHz$)	50	---	MHz

CLASSIFICATION OF $h_{FE(1)}$

Rank	O	Y
Range	30-90	90-150

NPN
Epitaxial Silicon
Transistor

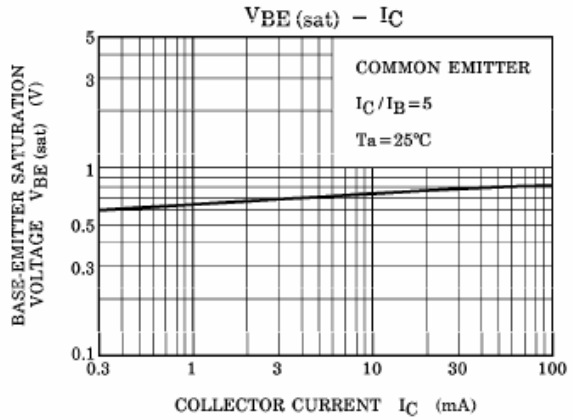
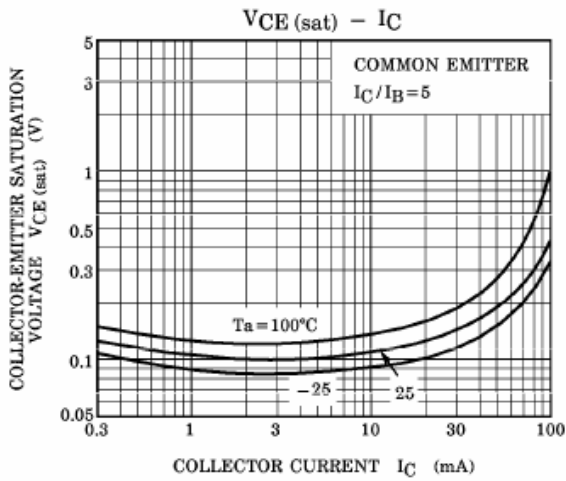
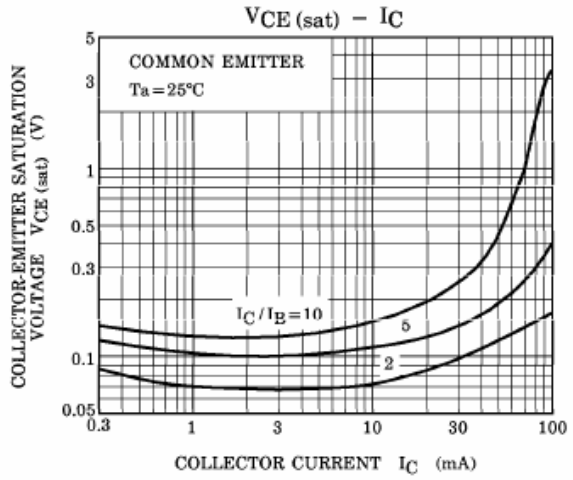
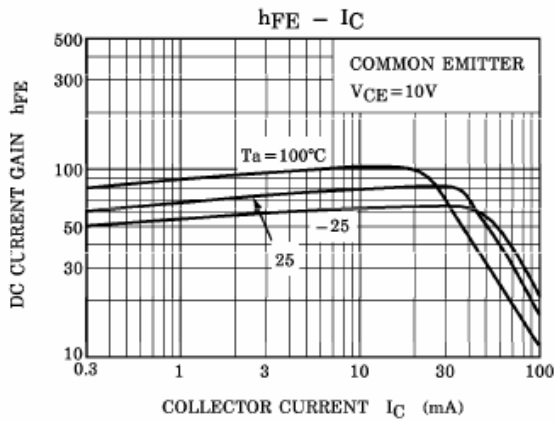
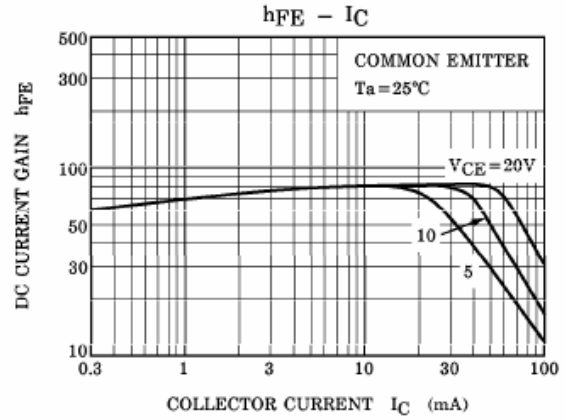
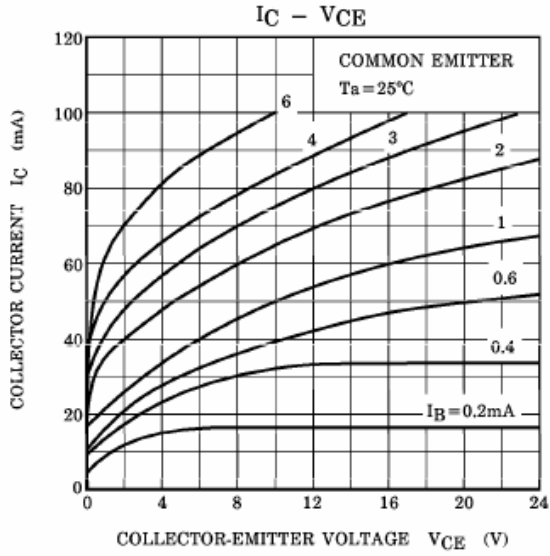
TO-92MOD



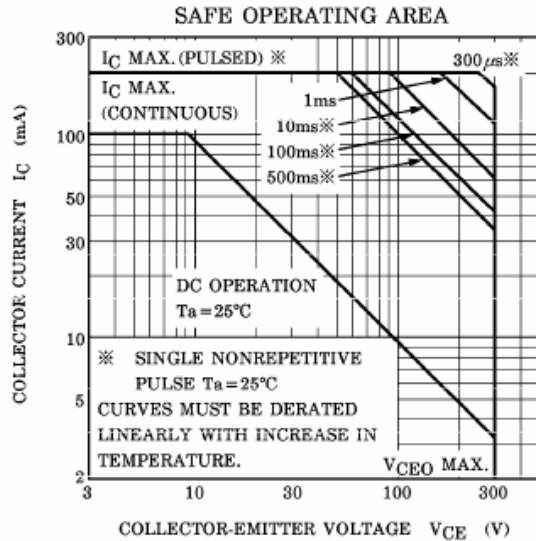
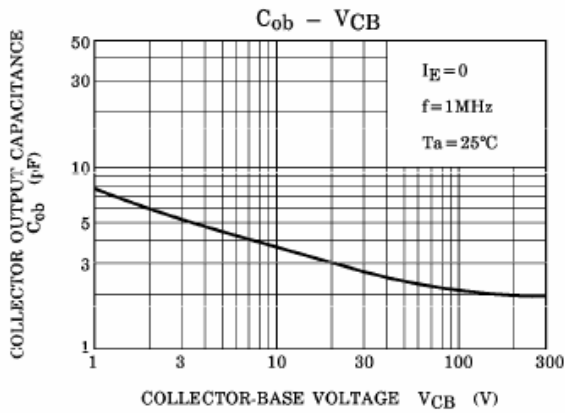
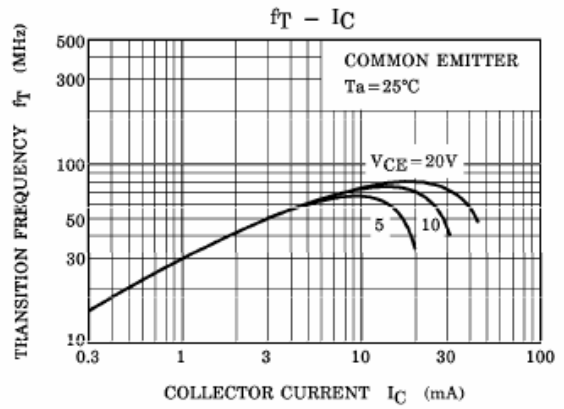
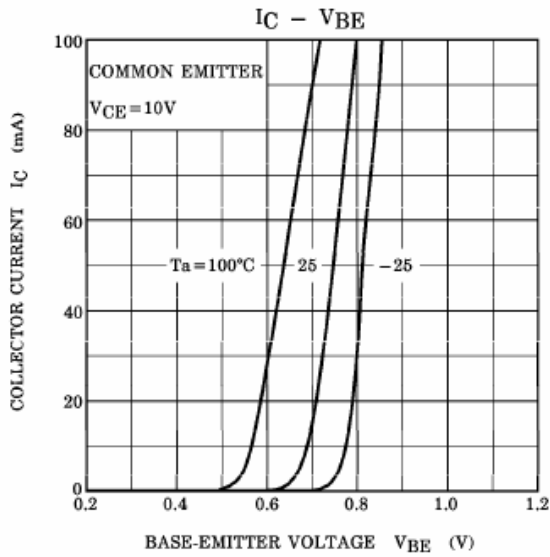
DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.030	---	.750	
B	---	.039	---	1.00	
C	---	.031	---	.80	
D	---	.024	---	0.60	
E	---	.201	---	5.10	
F	.050		1.27		
G	.050		1.27		
H	.100		2.54		
I	.039		1.00		
J	---	.087	---	2.20	
K	---	.024	---	.60	
L	---	.323	---	8.20	
M	---	.413	---	10.50	
N	---	.161	---	4.10	

www.mccsemi.com



2SC2482





Micro Commercial Components

*****IMPORTANT NOTICE*****

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. *Micro Commercial Components Corp.* does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp.* and all the companies whose products are represented on our website, harmless against all damages.

*****APPLICATIONS DISCLAIMER*****

Products offer by *Micro Commercial Components Corp.* are not intended for use in Medical, Aerospace or Military Applications.

www.mccsemi.com