



Micro Commercial Components

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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	°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 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 ($V_{CB}=240V$, $I_E=0$)	---	1.0	μA
I_{CEO}	Collector Cutoff Current ($V_{CB}=220V$, $I_B=0$)	---	5.0	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB}=7V$, $I_C=0$)	---	1.0	μA

ON CHARACTERISTICS

$h_{FE(1)}$	DC Current Gain ($I_C=20mA$, $V_{CE}=10V$)	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

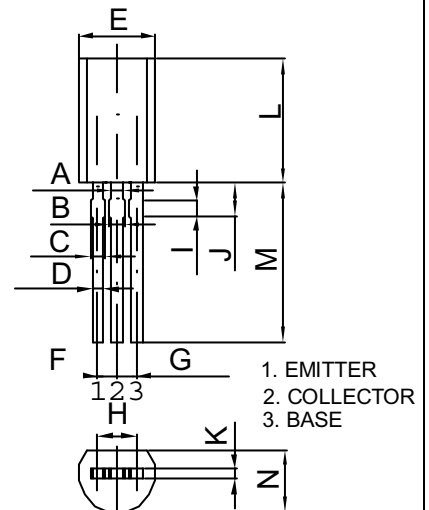
f_T	Transistor Frequency ($I_C=20mA$, $V_{CE}=10V$, $f=30MHz$)	50	---	MHz
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CLASSIFICATION OF $h_{FE(1)}$

Rank	O	Y
Range	30-90	90-150

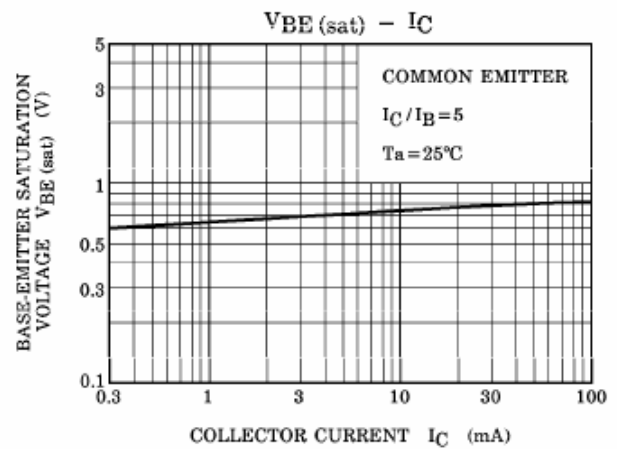
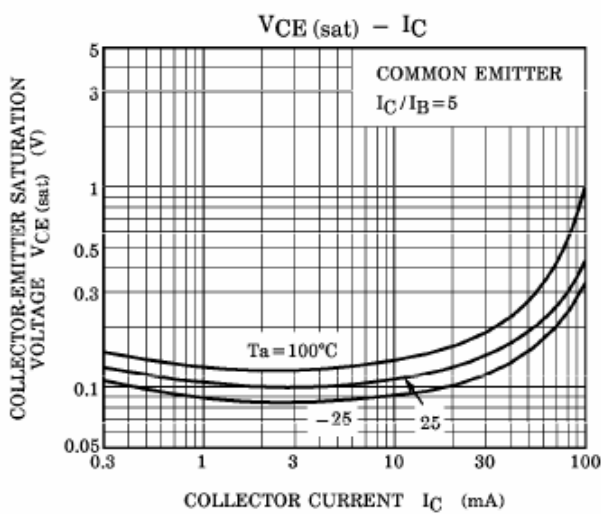
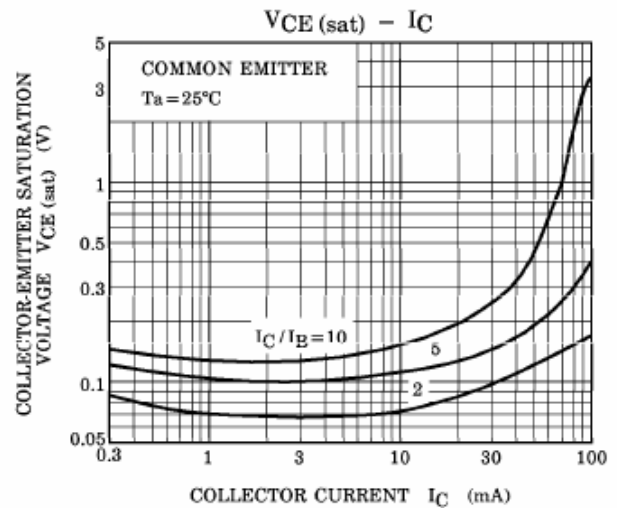
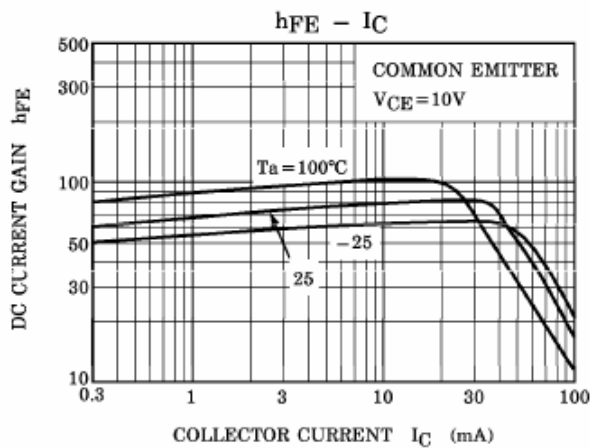
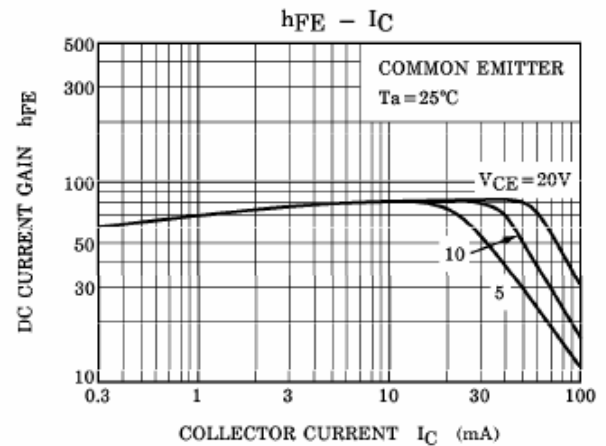
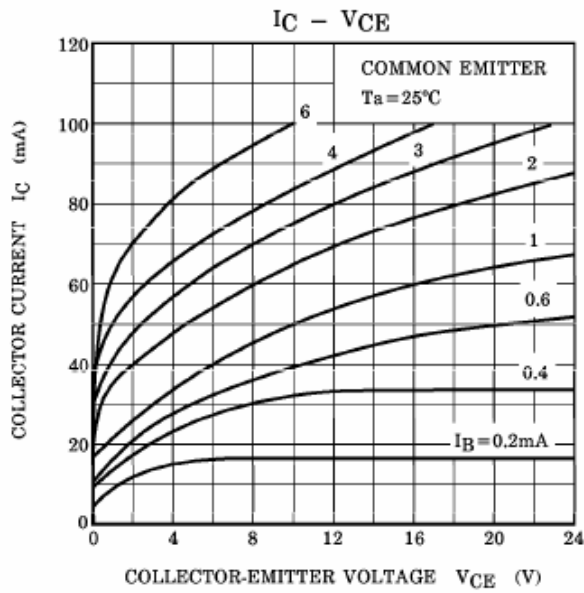
NPN
Epitaxial Silicon
Transistor

TO-92MOD

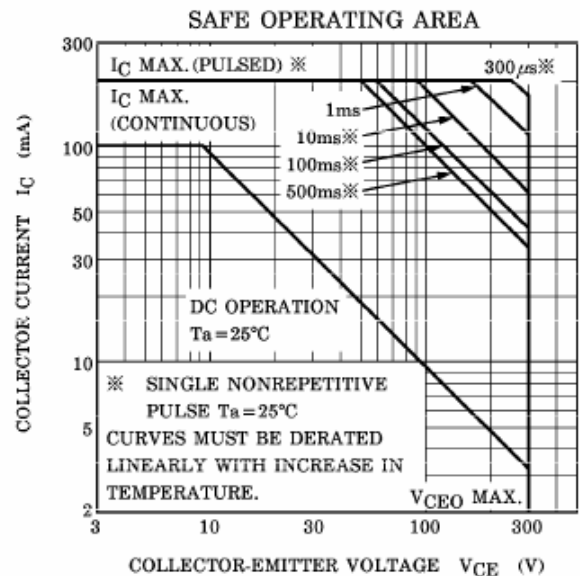
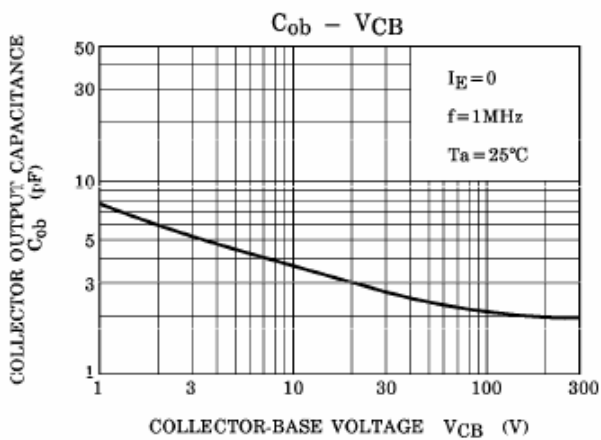
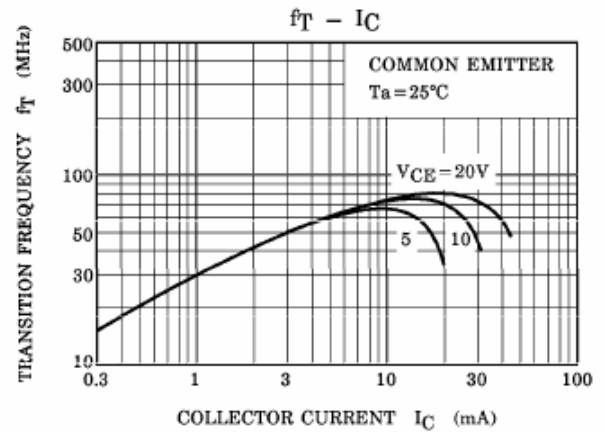
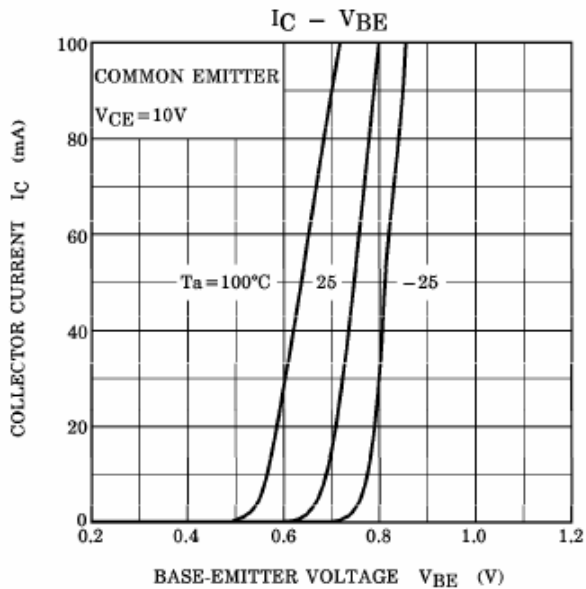


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.030	---	.750	
B	---	.039	---	1.00	
C	---	.031	---	.80	
D	---	.024	---	.60	
E	---	.201	---	5.10	
F	.050		1.27		
G	.050		1.27		
H	.100		2.54		
I	.039		1.00		
J	---	.087	---	2.20	
K	---	.024	---	.60	
L	---	.323	---	8.20	
M	---	.413	---	10.50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

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2SC2482



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