



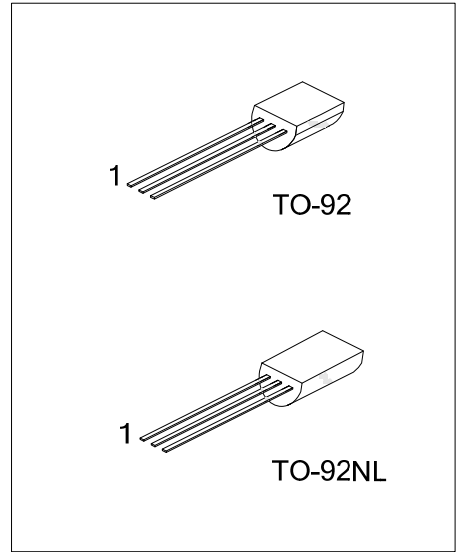
**2SC2482**

**NPN EPITAXIAL SILICON TRANSISTOR**

**NPN EPITAXIAL PLANAR TRANSISTOR**

■ **FEATURES**

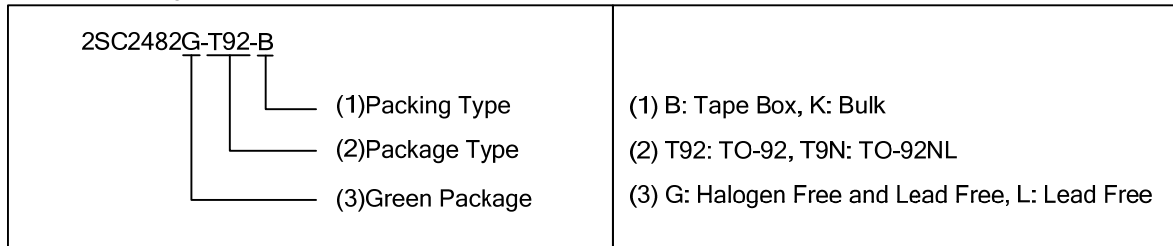
- \* High Voltage :  $V_{(BR)CEO} = 300V$
- \* Small Collector Output Capacitance:  $C_{ob} = 3.0pF(Typ.)$



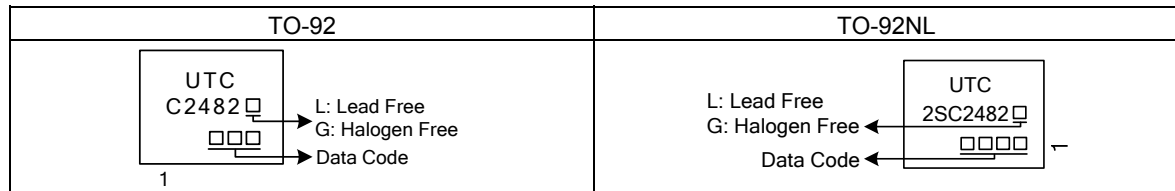
■ **ORDERING INFORMATION**

Ordering Number		Package	Pin Assignment			Packing
Lead Free	Halogen Free		1	2	3	
2SC2482L-T92-B	2SC2482G-T92-B	TO-92	E	C	B	Tape Box
2SC2482L-T92-K	2SC2482G-T92-K	TO-92	E	C	B	Bulk
2SC2482L-T9N-B	2SC2482G-T9N-B	TO-92NL	E	C	B	Tape Box
2SC2482L-T9N-K	2SC2482G-T9N-K	TO-92NL	E	C	B	Bulk

Note: Pin Assignment: E: Emitter C: Collector B: Base



■ **MARKING**



■ ABSOLUTE MAXIMUM RATING ( $T_A=25^{\circ}\text{C}$ , unless otherwise specified)

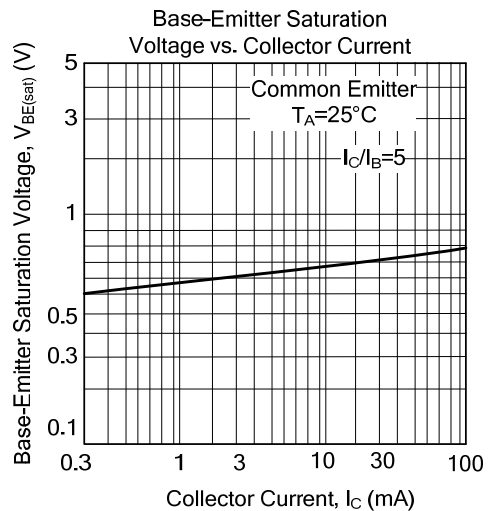
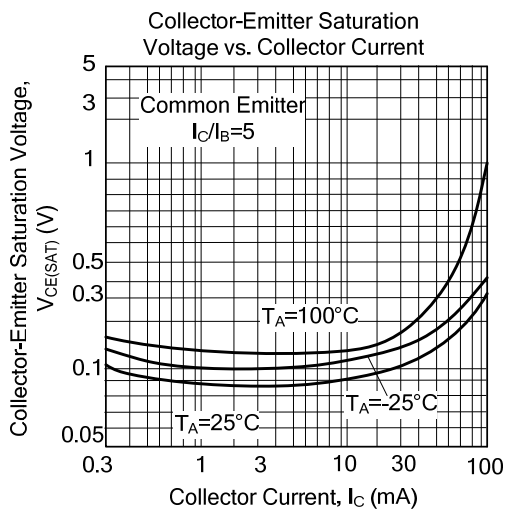
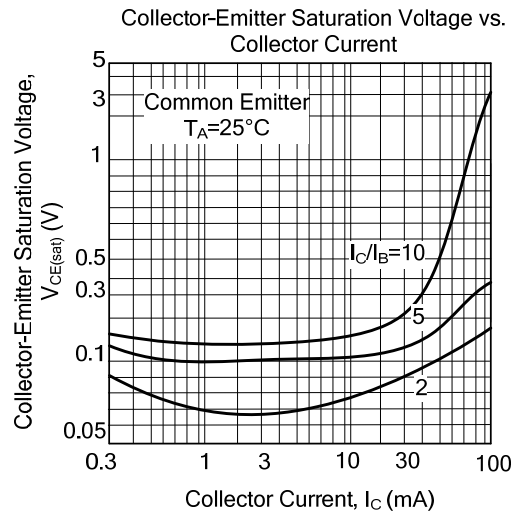
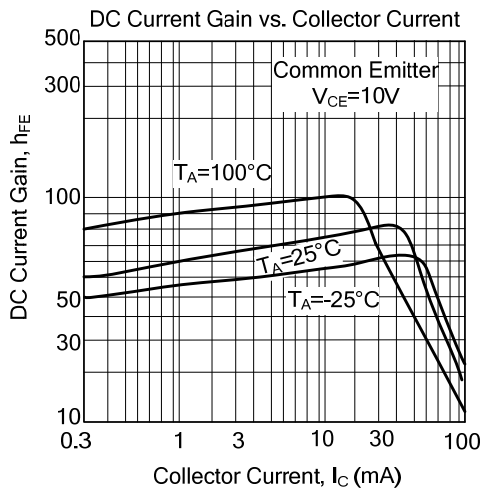
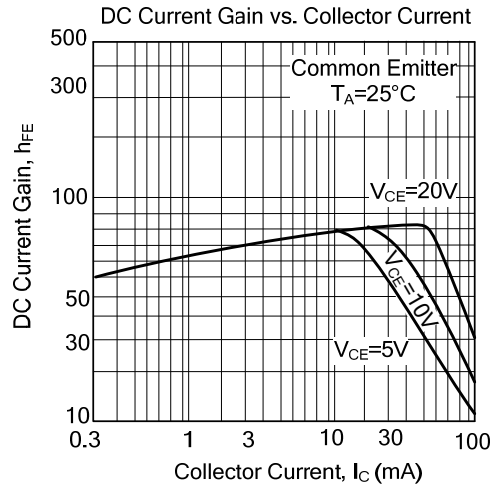
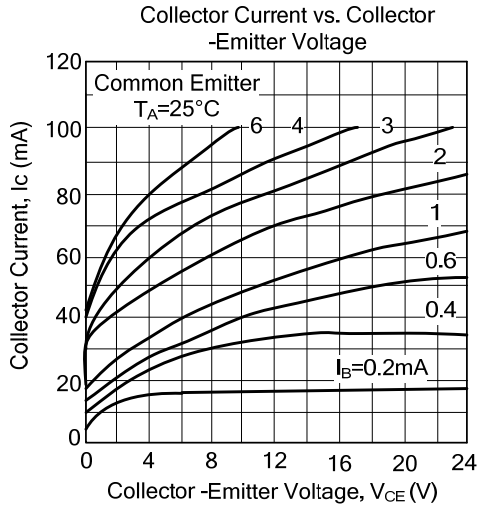
PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	$V_{CBO}$	300	V
Collector-Emitter Voltage	$V_{CEO}$	300	V
Emitter-Base Voltage	$V_{EBO}$	7	V
Collector Current	$I_C$	100	mA
Base Current	$I_B$	50	mA
Collector Power Dissipation	$P_C$	900	mW
Junction Temperature	$T_J$	+150	$^{\circ}\text{C}$
Storage Temperature	$T_{STG}$	-55 ~ +150	$^{\circ}\text{C}$

Notes: 1. Absolute maximum ratings are those values beyond which the device could be permanently damaged.  
Absolute maximum ratings are stress ratings only and functional device operation is not implied.

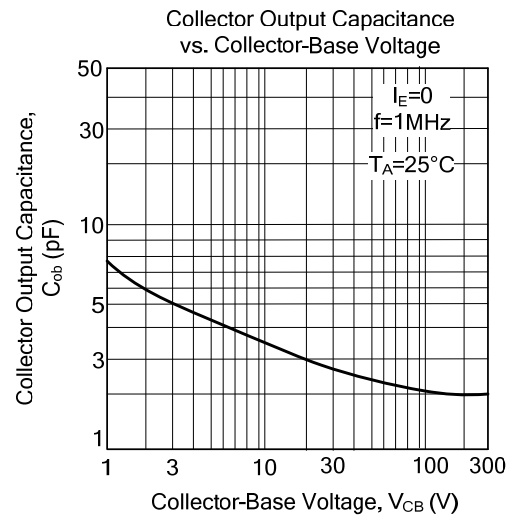
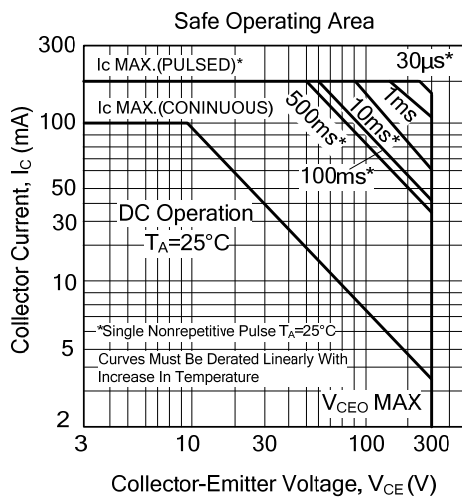
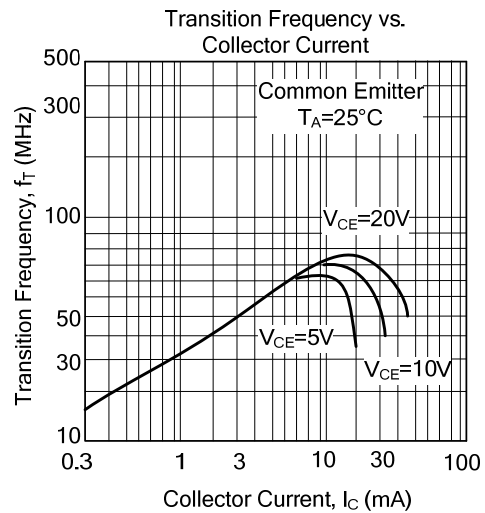
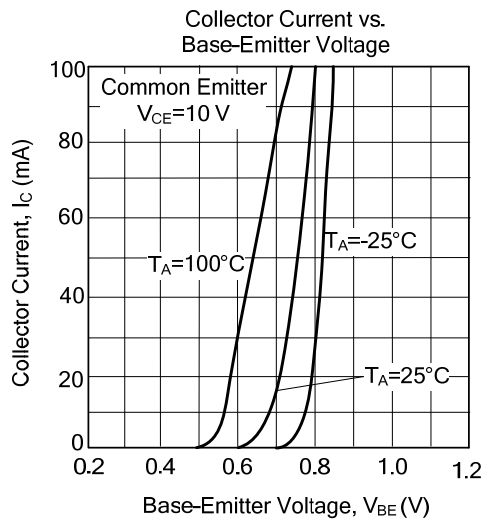
■ ELECTRICAL CHARACTERISTICS ( $T_A=25^{\circ}\text{C}$ , unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=240\text{V}, I_E=0$			1.0	$\mu\text{A}$
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=7\text{V}, I_C=0$			1.0	$\mu\text{A}$
DC Current Gain	$h_{FE(1)}$	$V_{CE}=10\text{V}, I_C=4\text{mA}$	20			
	$h_{FE(2)}$	$V_{CE}=10\text{V}, I_C=20\text{mA}$	30		150	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=10\text{mA}, I_B=1\text{mA}$			1.0	V
Base- Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=10\text{mA}, I_B=1\text{mA}$			1.0	V
Transition Frequency	$f_T$	$V_{CE}=10\text{V}, I_C=20\text{mA}$	50			MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=20\text{V}, I_E=0, f=1\text{MHz}$		3.0		pF

■ TYPICAL CHARACTERISTICS



## ■ TYPICAL CHARACTERISTICS (Cont.)



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