



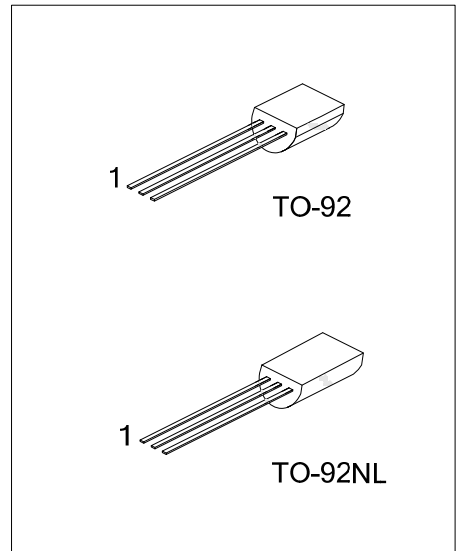
2SC2482

NPN EPITAXIAL SILICON TRANSISTOR

NPN EPITAXIAL PLANAR TRANSISTOR

■ FEATURES

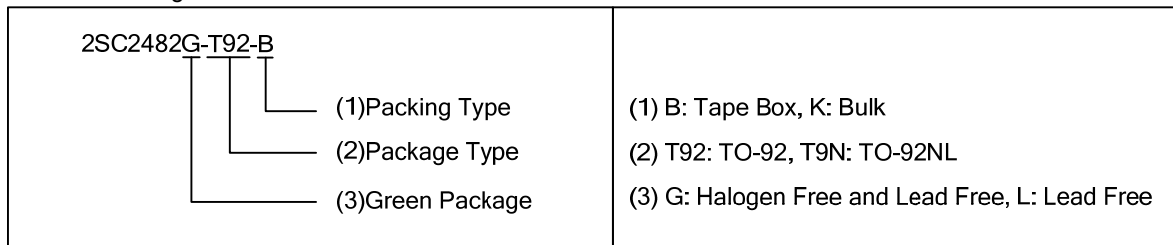
- * High Voltage : $V_{(BR)CEO} = 300V$
- * Small Collector Output Capacitance: $C_{ob} = 3.0pF(Typ.)$



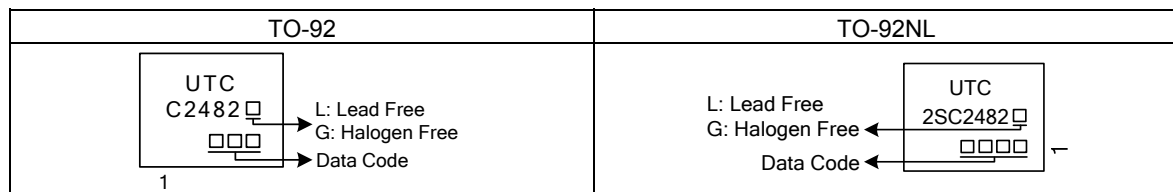
■ ORDERING INFORMATION

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)

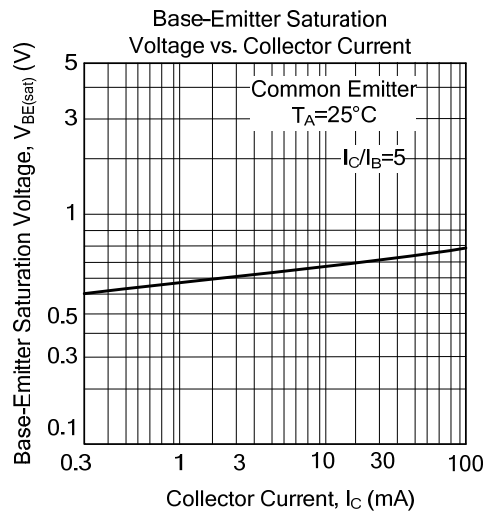
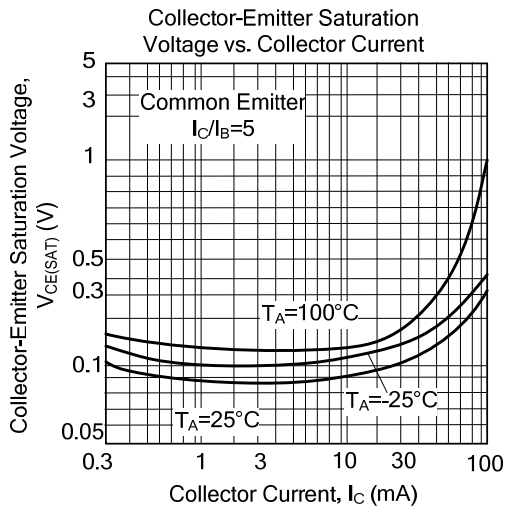
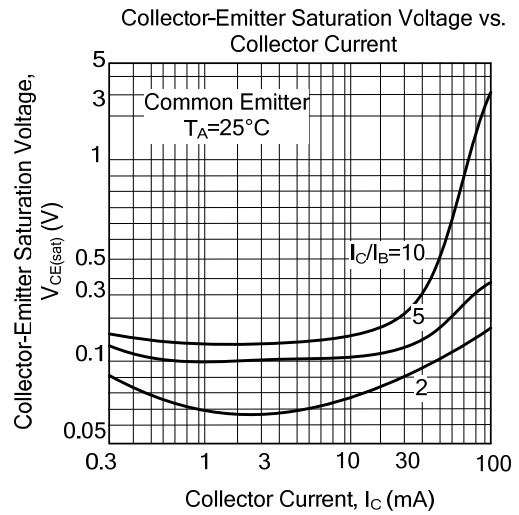
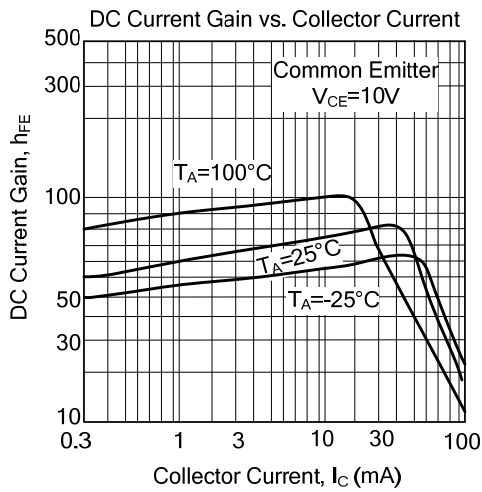
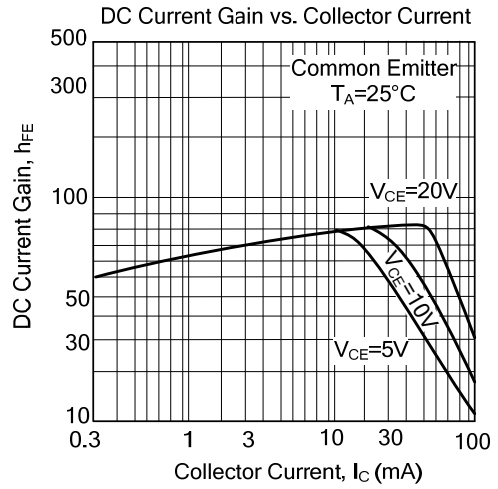
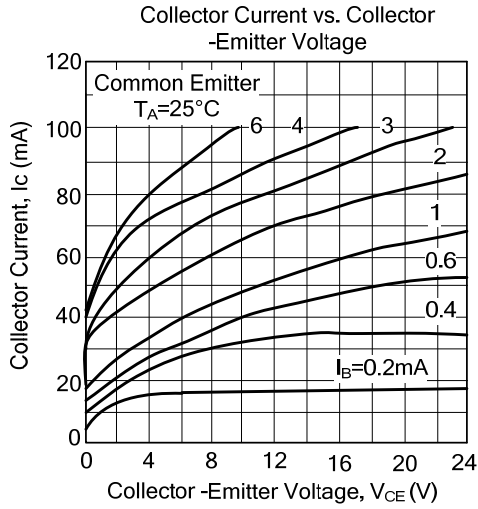
PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	V_{CBO}	300	V
Collector-Emitter Voltage	V_{CEO}	300	V
Emitter-Base Voltage	V_{EBO}	7	V
Collector Current	I_C	100	mA
Base Current	I_B	50	mA
Collector Power Dissipation	P_C	900	mW
Junction Temperature	T_J	+150	$^\circ\text{C}$
Storage Temperature	T_{STG}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

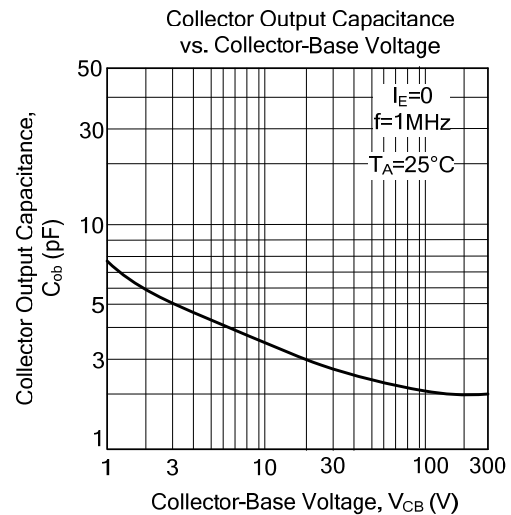
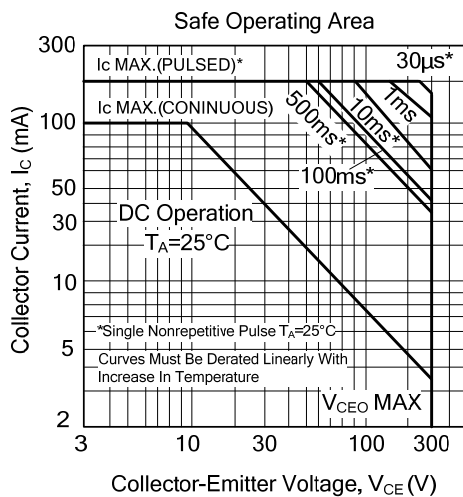
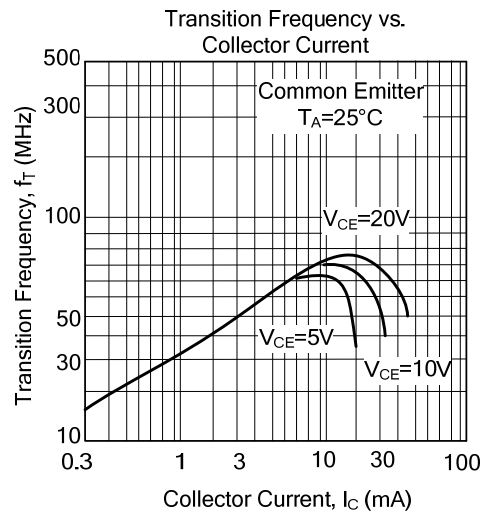
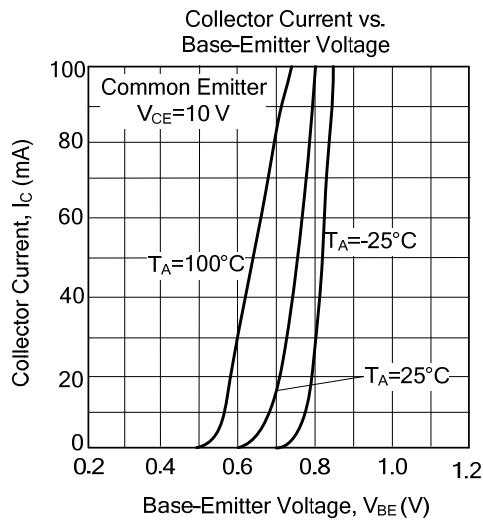
■ ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cut-Off Current	I_{CBO}	$V_{CB}=240\text{V}$, $I_E=0$			1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=7\text{V}$, $I_C=0$			1.0	μA
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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