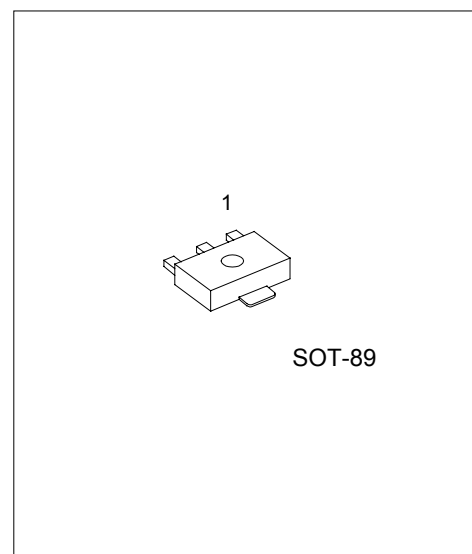


HIGH VOLTAGE TRANSISTOR FOR
VIDEO OUTPUT OF HIGH-DEFINITION
CRT DISPLAYS

FEATURES

- * High breakdown voltage: $V_{CBO}, V_{CEO} \geq 300V$
- * Small reverse transfer capacitance and excellent high frequency characteristicF



1: BASE 2: COLLECTOR 3: EMITTER

*Pb-free plating product number: 2SC3468L

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-to-Base Voltage	V_{CBO}	300	V
Collector-to-Emitter Voltage	V_{CEO}	300	V
Emitter-to-Base Voltage	V_{EBO}	5	V
Collector Current	I_C	100	mA
Collector Current (Pulse)	I_{CP}	200	mA
Collector Dissipation	P_C	1.0	W
Junction Temperature	T_J	0 ~ +125	°C
Storage Temperature	T_{STG}	-65 ~ +125	°C

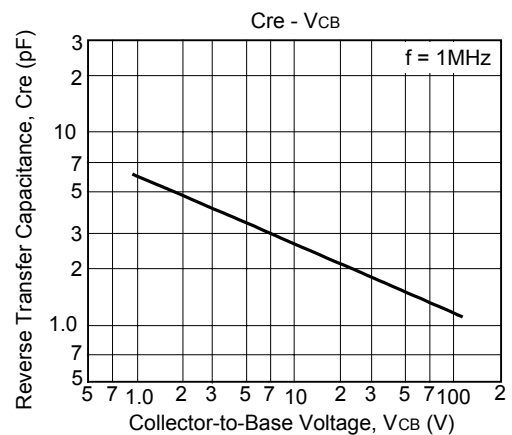
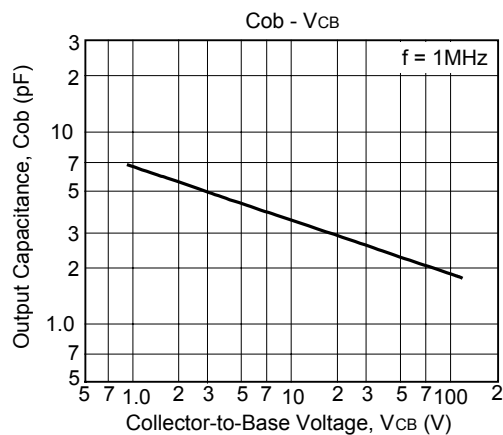
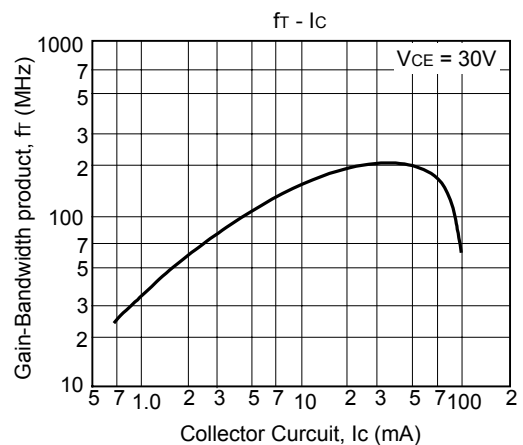
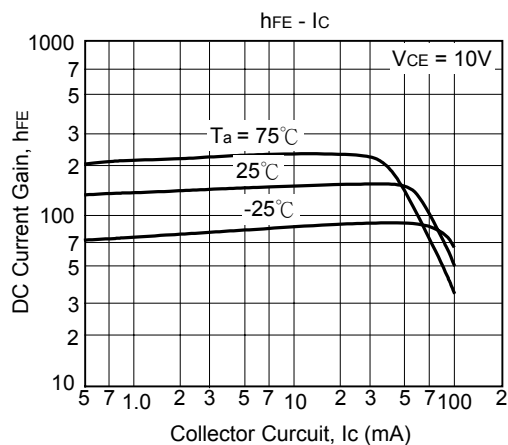
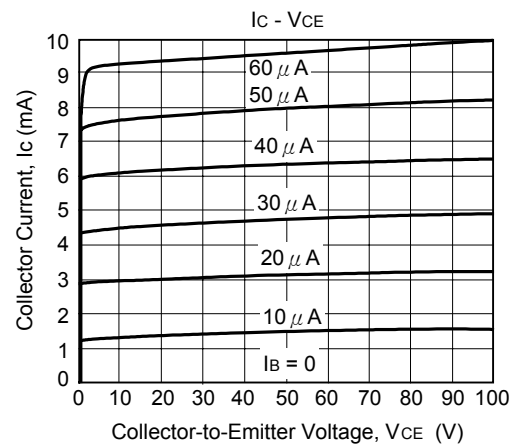
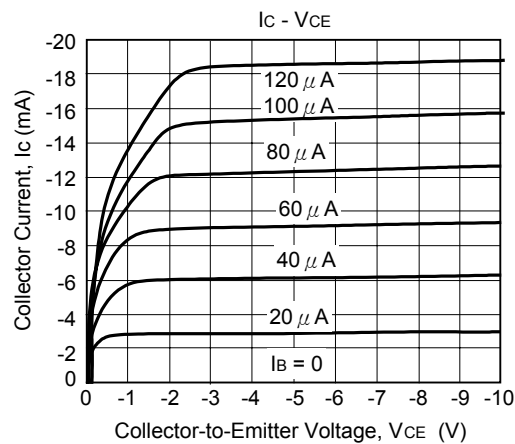
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

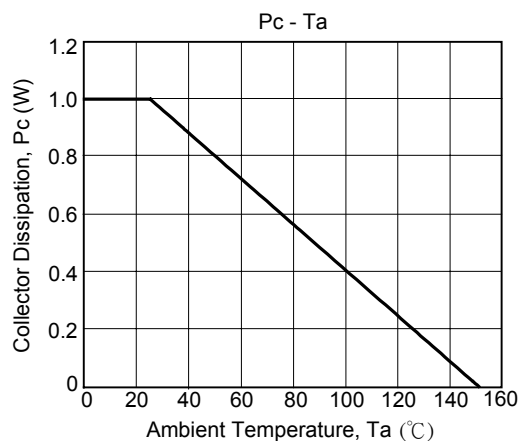
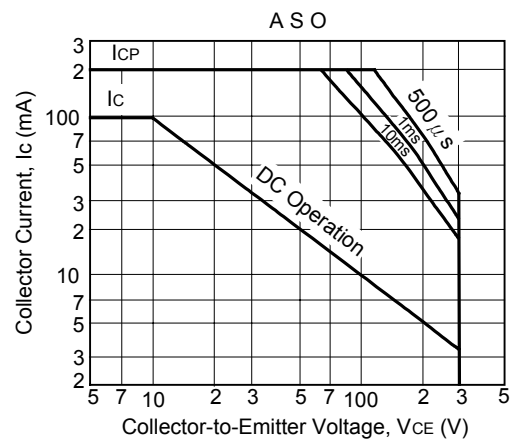
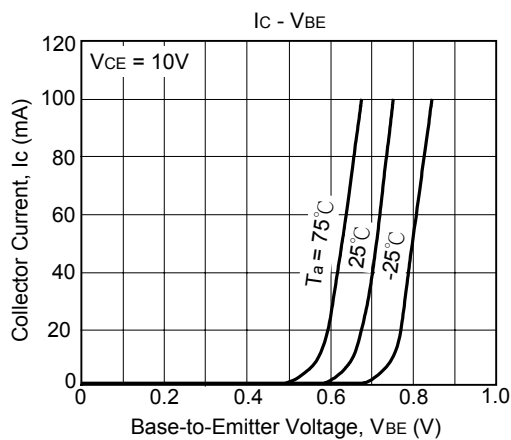
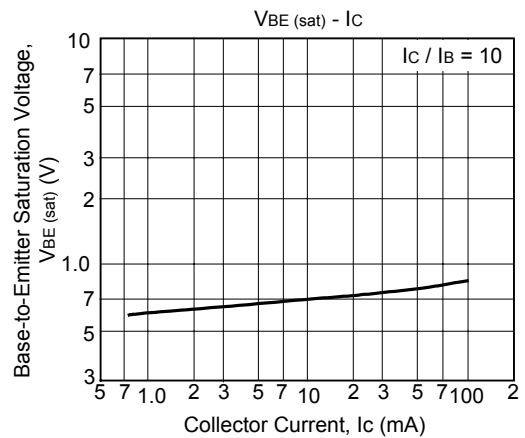
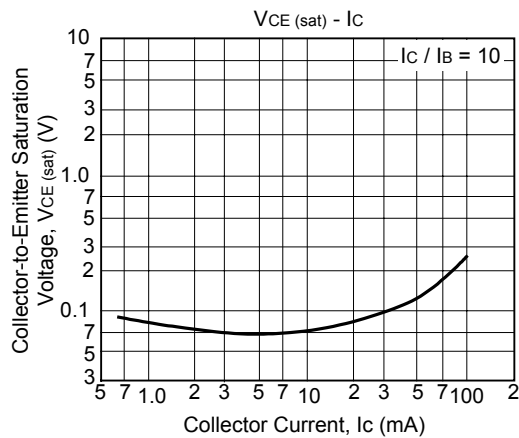
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cutoff Current	I_{CBO}	$V_{CB} = 200V, I_E = 0$			0.1	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB} = 4V, I_C = 0$			0.1	μA
DC Current Gain	h_{FE}	$V_{CE} = 10V, I_C = 10mA$	40		320	
Gain-Bandwidth Product	f_T	$V_{CE} = 30V, I_C = 10mA$		150		MHz
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 20mA, I_B = 2mA$			0.6	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = 20mA, I_B = 2mA$			1.0	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = 10\mu A, I_E = 0$	300			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = 1mA, R_{BE} = \infty$	300			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E = 10\mu A, I_C = 0$	5			V
Output Capacitance	C_{ob}	$V_{CB} = 30V, f = 1MHz$		2.6		pF
Reverse Transfer Capacitance	C_{re}	$V_{CB} = 30V, f = 1MHz$		1.8		pF

CLASSIFICATION of h_{FE}

RANK	C	D	E	F
RANGE	40 ~ 80	60 ~ 120	100 ~ 200	160 ~ 320

TYPICAL CHARACTERS





UTC assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all UTC products described or contained herein. UTC products are not designed for use in life support appliances, devices or systems where malfunction of these products can be reasonably expected to result in personal injury. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice.