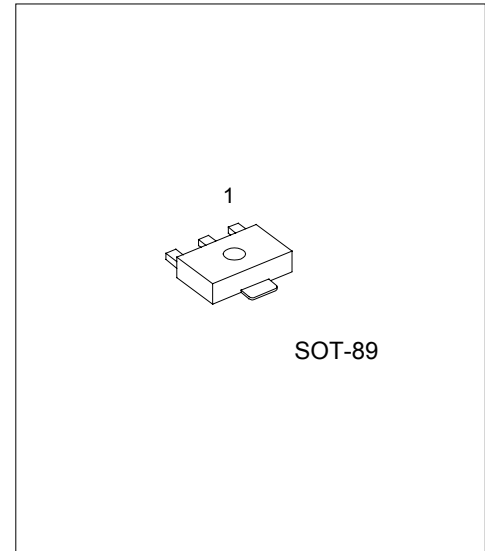


HIGH VOLTAGE TRANSISTOR FOR  
VIDEO OUTPUT OF HIGH-DEFINITION  
CRT DISPLAYS

### FEATURES

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



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

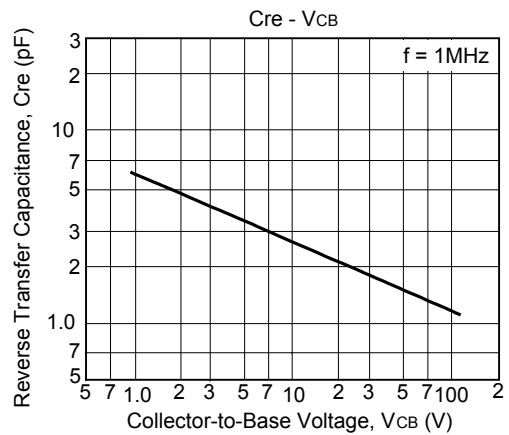
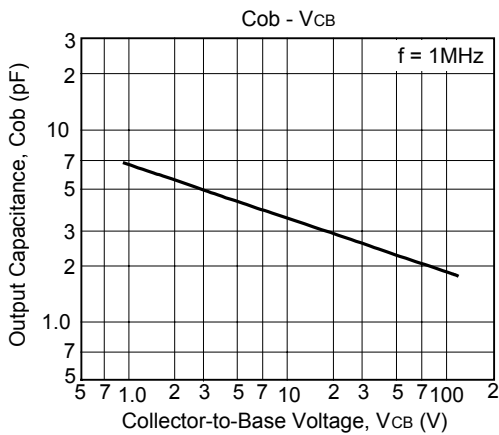
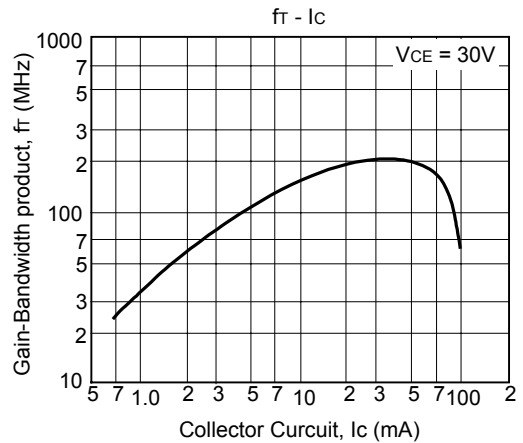
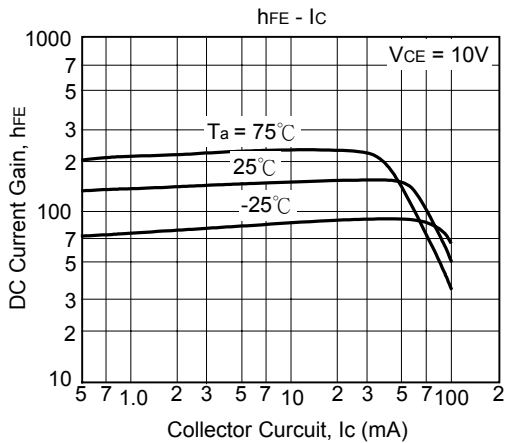
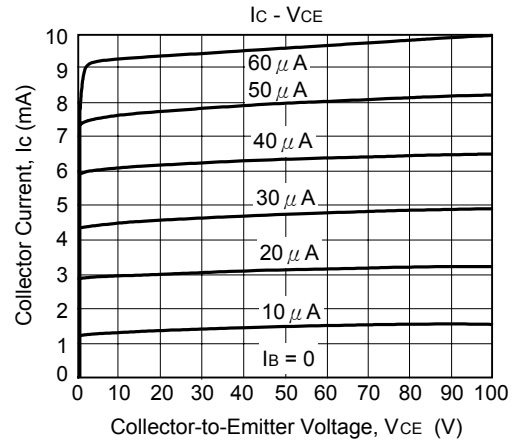
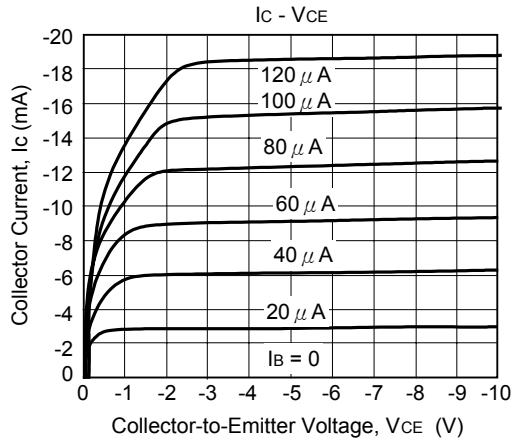
### ELECTRICAL CHARACTERISTICS (Ta = 25°C)

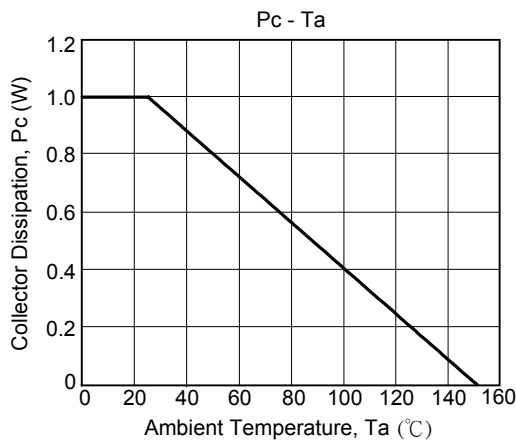
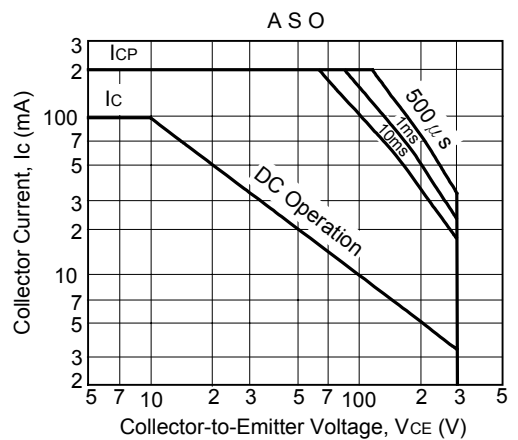
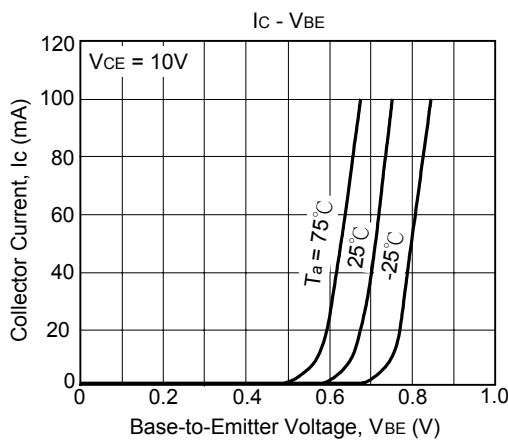
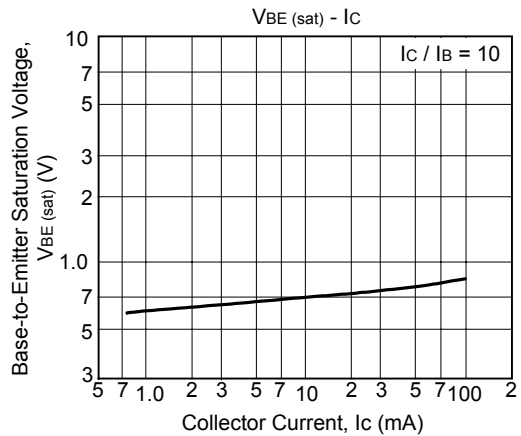
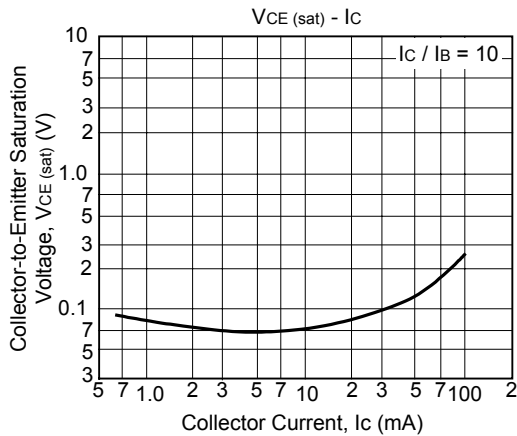
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cutoff Current	$I_{CBO}$	$V_{CB} = 200V, I_E = 0$			0.1	$\mu A$
Emitter Cutoff Current	$I_{EBO}$	$V_{EB} = 4V, I_C = 0$			0.1	$\mu A$
DC Current Gain	$h_{FE}$	$V_{CE} = 10V, I_C = 10mA$	40		320	
Gain-Bandwidth Product	$f_T$	$V_{CE} = 30V, I_C = 10mA$		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 hFE

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

TYPICAL CHARACTERS





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