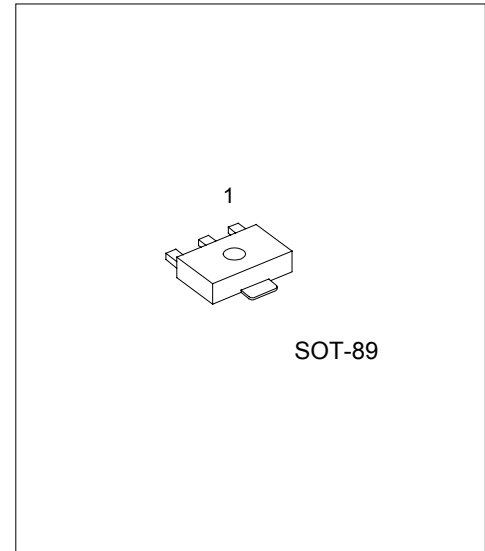


HIGH VOLTAGE TRANSISTOR FOR
VIDEO OUTPUT OF HIGH-DEFINITION
CRT DISPLAYS

FEATURES

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



SOT-89

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

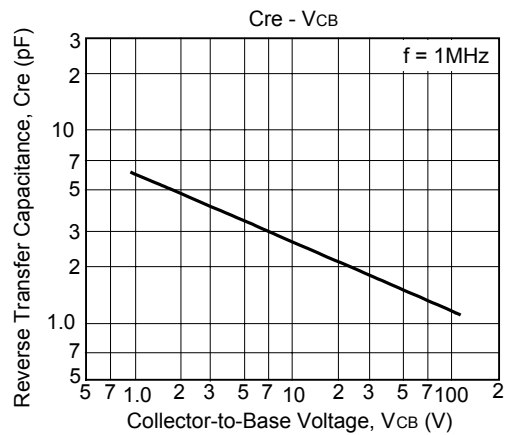
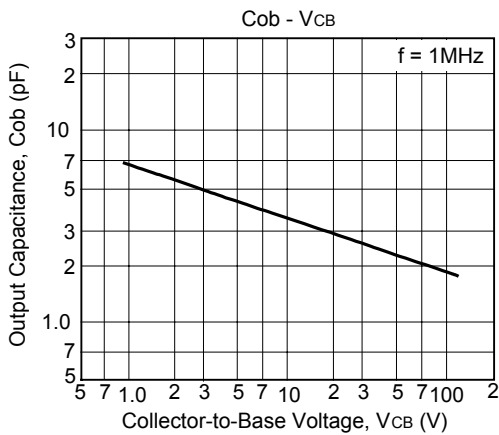
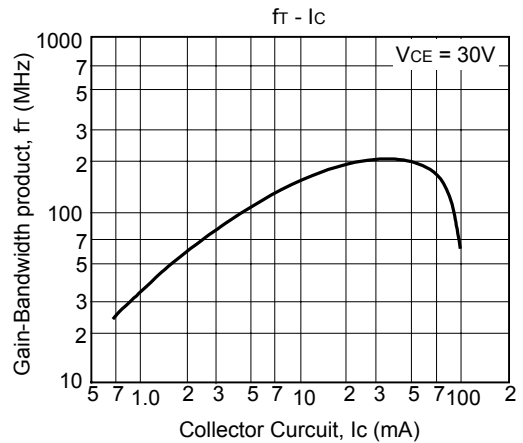
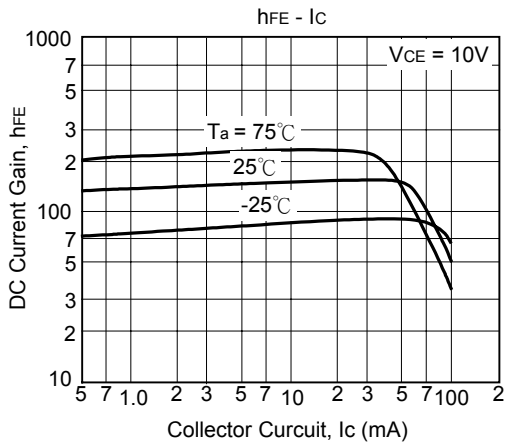
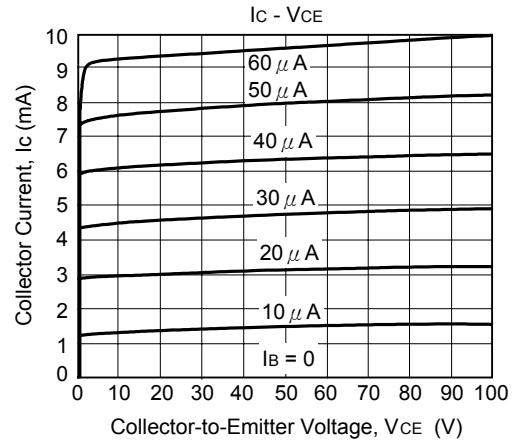
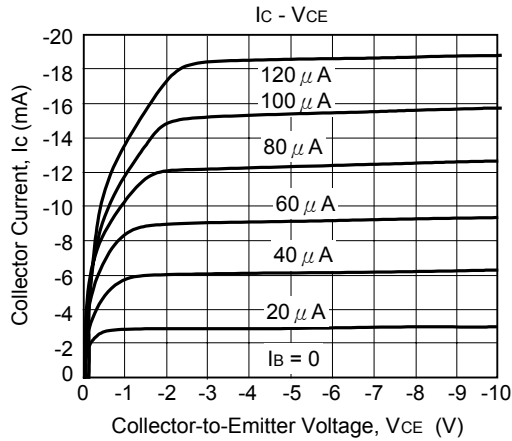
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

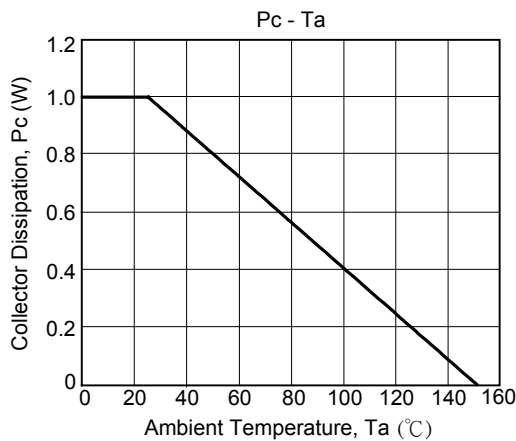
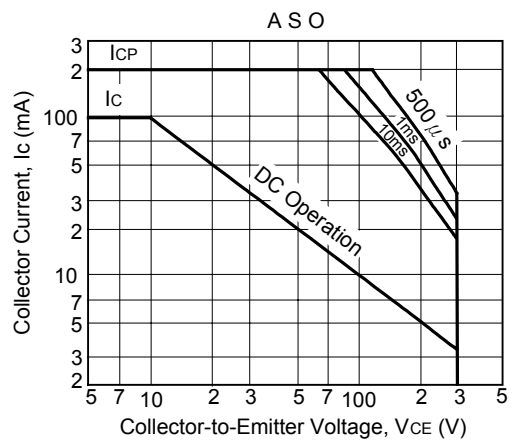
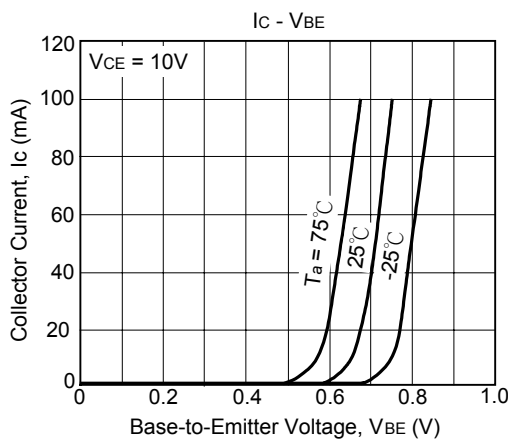
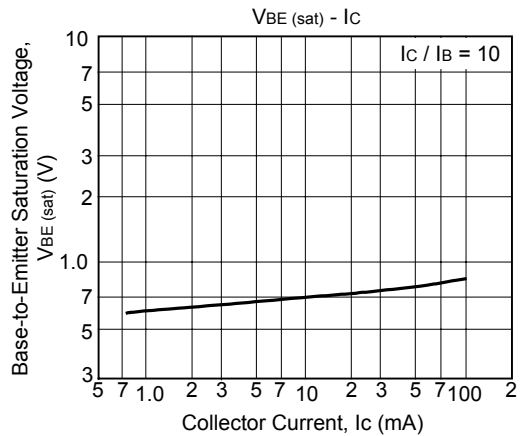
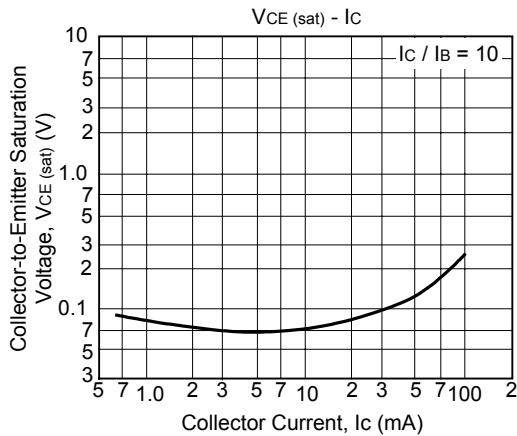
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cutoff Current	I_{CBO}	$V_{CB} = 200V, I_E = 0$			0.1	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB} = 4V, I_C = 0$			0.1	μA
DC Current Gain	h_{FE}	$V_{CE} = 10V, I_C = 10mA$	40		320	
Gain-Bandwidth Product	f_T	$V_{CE} = 30V, I_C = 10mA$		150		MHz
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 hFE

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

TYPICAL CHARACTERS





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