No.2254	2 S A 1 4 8 0 / 2 S C 3 7 9 0
SANYO	PNP/NPN Epitaxial Planar Type Silicon Transistors
	HIGH-DEFINITION CRT DISPLAY VIDEO OUTPUT APPLICATIONS

### Features

- High breakdown voltage (V<sub>CEO</sub>≥300V)
  Small reverse transfer capacitance and excellent high frequency chracteristic c<sub>re</sub>=1.8pF(NPN), 2.3pF(PNP)
  Adoption of MBIT process

#### (): 2SA1480

Absolute Maximum Ratings at Ta=:	25 <sup>0</sup> C			unit
Collector_to_Base Voltage	V <sub>CBO</sub>		(-)300	v
Collector-to-Emitter Voltage	VCEO		(-)300	v
Emitter-to-Base Voltage	VEBO		(-)5	v
Collector Current	IC		(-)100	mA
Peak Collector Current			(-)200	mA
Collector Dissipation	lep PC	_	1.5	W
	· ·	Tc=25 <sup>0</sup> C	7	W
Junction Temperature	Тj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

# Electrical Characteristics at Ta=25°C

	~~ I~-L/	•	111 111	υyμ	max	unte
Collector Cutoff Current	I <sub>CBO</sub>	$V_{CB} = (-)200V, I_{E} = 0$		(	-)0.1	μA
Emitter Cutoff Current	IEBO	$V_{EB}^{-1}=(-)4V, I_{C}=0$		(.	-)0.1	μA
DC Current Gain	h <sub>FE</sub>	$V_{CE}^{LD} = (-) 10V, I_{C} = (-) 10mA$	40 <b>*</b>	•	320*	<i>F</i>
Gain-Bandwidth Product	f <sub>T</sub>	$V_{CE}^{CE} = (-)30V, I_{C} = (-)10mA$		150	<b>J</b>	MHz
Output Capacitance	c <sub>ob</sub>	$V_{CB}^{2} = (-)30V, f = 1MHz$		2.6		pF
		-2		(3.1)		-
Reverse Transfer	° <sub>re</sub>	$V_{CB} = (-)30V, f = 1MHz$		1.8		pF
Capacitance		02		(2.3)		-
C-E Saturation Voltage	V <sub>CE(sat)</sub>	$I_{C} = (-)20mA, I_{B} = (-)2mA$		(.	-)0.6	v
B-E Saturation Voltage	V <sub>BE(sat)</sub>	I <sub>C</sub> =(-)20mA,I <sub>B</sub> =(-)2mA I <sub>C</sub> =(-)20mA,I <sub>B</sub> =(-)2mA		(.	-)1.0	v
	52(540)	<b>с</b> П		•	•	

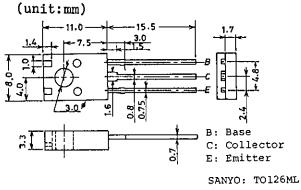
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tvn

unit

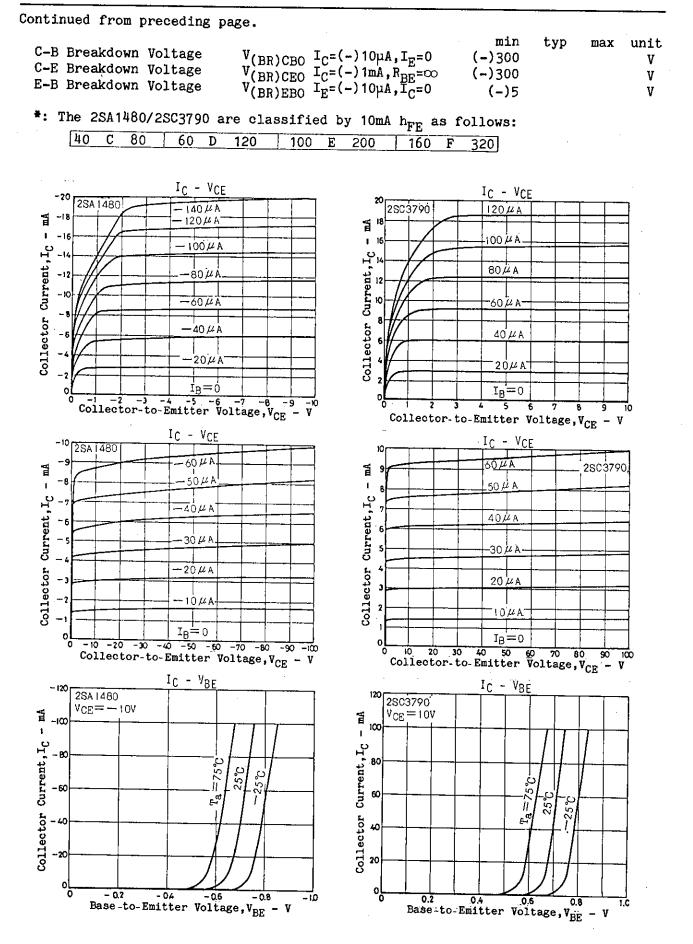
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### Package Dimensions 2042A

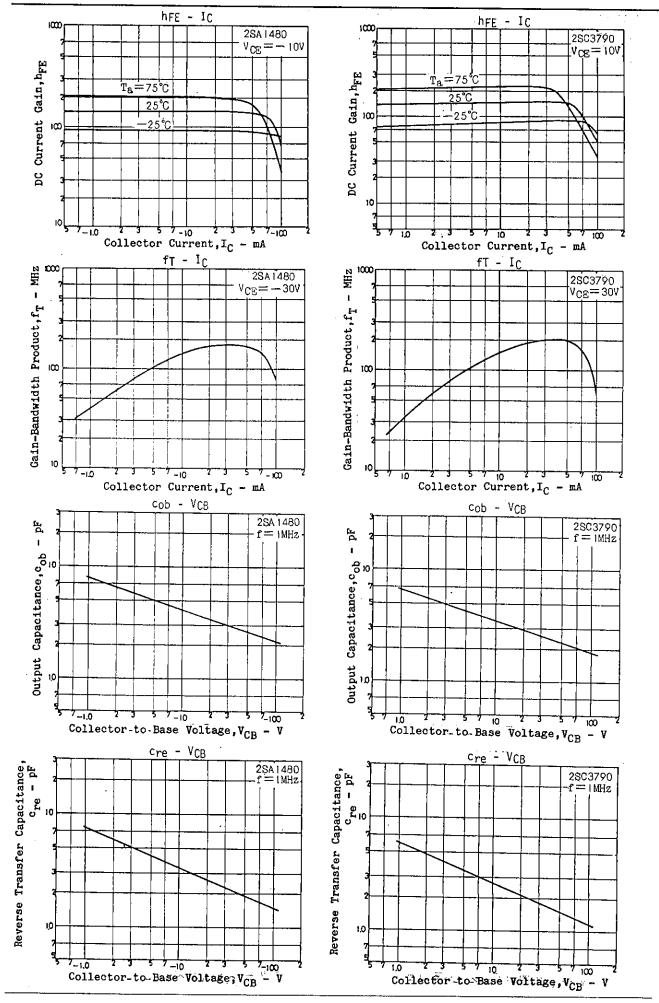


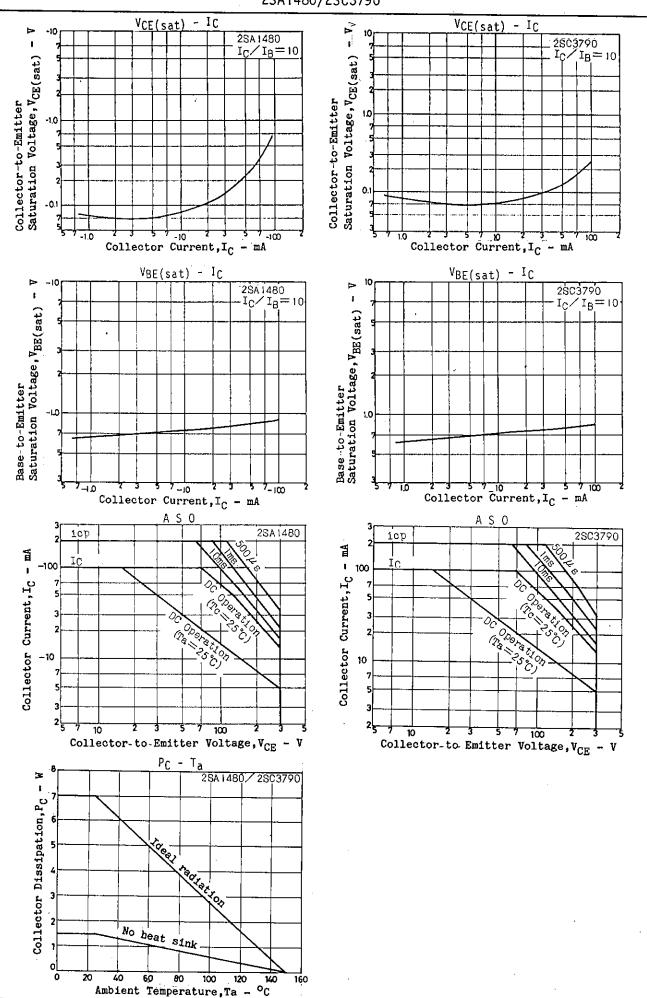
min

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## 2SA1480/2SC3790





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