#### 捷多邦,专业PCB打样工厂,24小时加急出货

# 查询2SA1710供应商

Ordering number:EN3097

PNP/NPN Epitaxial Planar Silicon Transistors

## 2SA1710/2SC4490

# **High-Definition CRT Display Video Output Applications**

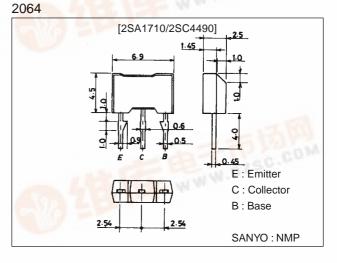
### **Features**

- · High breakdown voltage ( $V_{CEO} \ge 300V$ ).
- · Excellent high frequency characteristic.
- · Adoption of MBIT process.

### **Package Dimensions**

unit:mm

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():2SA1710

# **Specifications**

#### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		(–)300	V
Collector-to-Emitter Voltage	VCEO		(–)300	V
Emitter-to-Base Voltage	VEBO		(–)5	V
Collector Current	IC	and the	(–)100	mA
Collector Current (Pulse)	ICP		(–)200	mA
Collector Dissipation	PC	A REAL WAR	1	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

## Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Collector Cutoff Current	ICBO	V <sub>CB</sub> =(-)200V, I <sub>E</sub> =0			(–)100	nA
Emitter Cutoff Current	IEBO	V <sub>EB</sub> =(-)4V, I <sub>C</sub> =0			(–)100	nA
D <mark>C Current</mark> Gain	h <sub>FE</sub>	V <sub>CE</sub> =(-)10V, I <sub>C</sub> =(-)10mA	70*	1	280*	
Gain-Bandwidth Product	fT	V <sub>CE</sub> =(-)30V, I <sub>C</sub> =(-)10mA	42-	70	22.5	MHz
Collector-to-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =(–)20mA, I <sub>B</sub> =(–)2mA	22.		()0.6	V
Base-to-Emitter Saturation Voltage	V <sub>BE(sat)</sub>	I <sub>C</sub> =(–)20mA, I <sub>B</sub> =(–)2mA	W LU	1.1	(–)1.0	V
Output Capacitance	Cob	V <sub>CB</sub> =(–)30V, f=1MHz		(3.1)		pF
				2.6		pF

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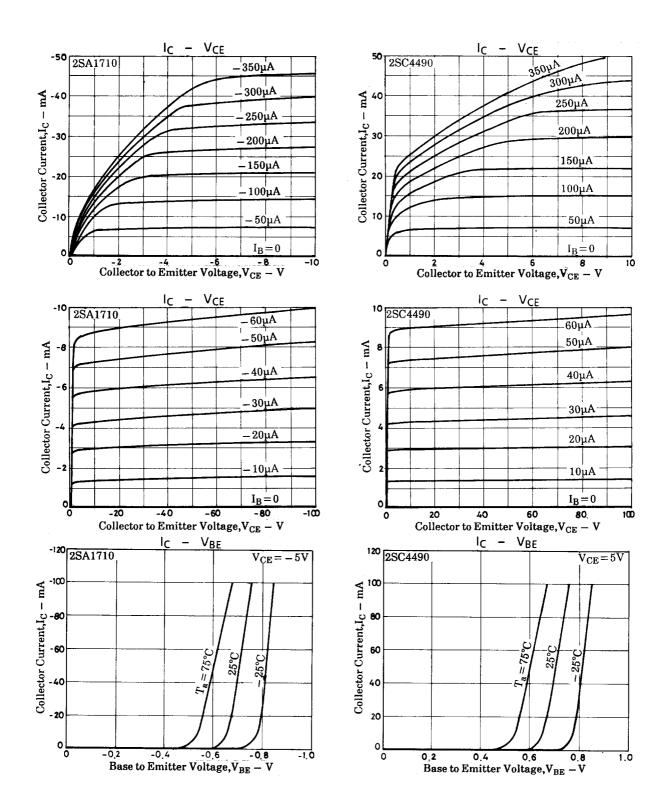
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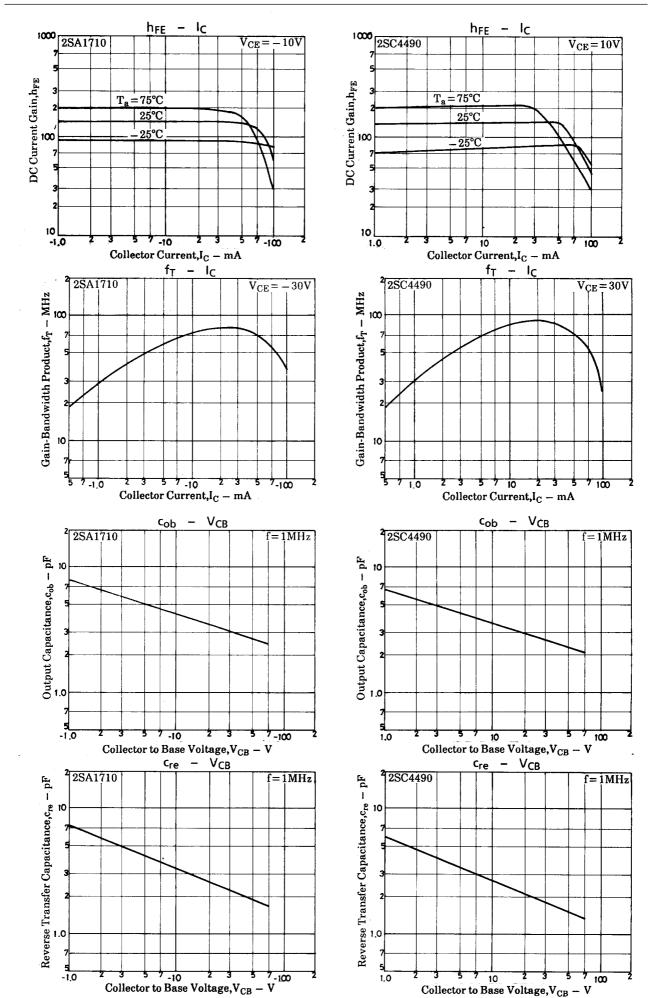
SANYO Electric Co., Ltd. Semiconductor Bussiness Headquaters TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

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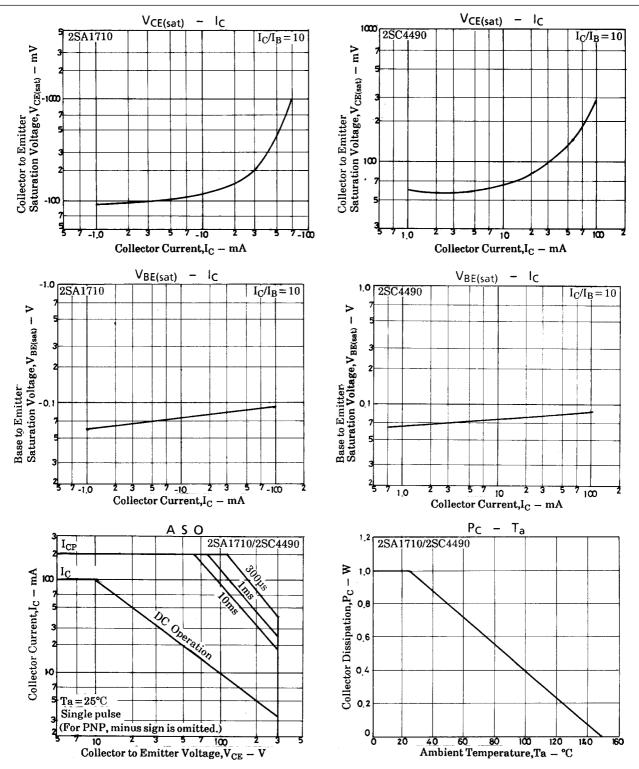
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Reverse Transfer Capacitance	C <sub>re</sub>	V <sub>CB</sub> =(-)30V, f=1MHz		(2.3)		pF
				1.8		pF
Collector-to-Base Breakdown Voltage	V <sub>(BR)</sub> CBO	I <sub>C</sub> =(-)10μΑ, I <sub>E</sub> =0	(–)300			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I <sub>C</sub> =(−)1mA, R <sub>BE</sub> =∞	(–)300			V
Emitter-to-Base Breakdown Voltage	V <sub>(BR)EBO</sub>	I <sub>E</sub> =(-)10μA, I <sub>C</sub> =0	(–)5			V

 $\ast$  : The 2SA1710/2SC4490 are classified by 100mA  $h_{FE}$  as follows :





2SA1710/2SC4490



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