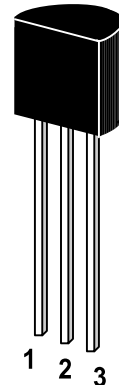


ST 2SC3206

NPN Silicon Epitaxial Planar Transistor
for high voltage switching application, black and
white TV video output application.

The transistor is subdivided into two groups, O and
Y according to its DC current gain.

On special request, these transistors can be
manufactured in different pin configurations.



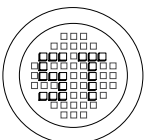
1. Emitter 2. Collector 3. Base

TO-92 Plastic Package
Weight approx. 0.19g

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	Symbol	Value	Unit
Collector Base Voltage	V_{CBO}	200	V
Collector Emitter Voltage	V_{CEO}	150	V
Emitter Base Voltage	V_{EBO}	5	V
Collector Current	I_C	50	mA
Emitter Current	I_E	-50	mA
Power Dissipation	P_{tot}	1000	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_s	-55 to +150	$^\circ\text{C}$

G S P FORM A IS AVAILABLE



®

РАДИОТЕХ

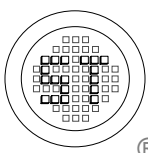
Тел.: (495) 795-0805
Факс: (495) 234-1603
Эл. почта: info@rct.ru
Веб: www.rct.ru

ST 2SC3206

Characteristics at $T_{amb}=25\text{ }^{\circ}\text{C}$

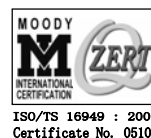
	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at $V_{CE}=5\text{V}$, $I_C=10\text{mA}$ Current Gain Group O Y	h_{FE}	70	-	140	-
	h_{FE}	120	-	240	-
Collector Cutoff Current at $V_{CB}=200\text{V}$	I_{CBO}	-	-	0.1	μA
Emitter Cutoff Current at $V_{EB}=5\text{V}$	I_{EBO}	-	-	0.1	μA
Collector Saturation Voltage at $I_C=10\text{mA}$, $I_B=1\text{mA}$	$V_{CE(sat)}$	-	-	0.5	V
Base Saturation Voltage at $I_C=10\text{mA}$, $I_B=1\text{mA}$	$V_{BE(sat)}$	-	-	1	V
Transition Frequency at $V_{CE}=30\text{V}$, $I_C=10\text{mA}$	f_T	-	120	-	MHz
Output Capacitance at $V_{CB}=10\text{V}$, $f=1\text{MHz}$	C_{ob}	-	3.5	5	pF

G S P FORM A IS AVAILABLE



SEMTECH ELECTRONICS LTD.

(Subsidiary of Semtech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002
Certificate No. 05103



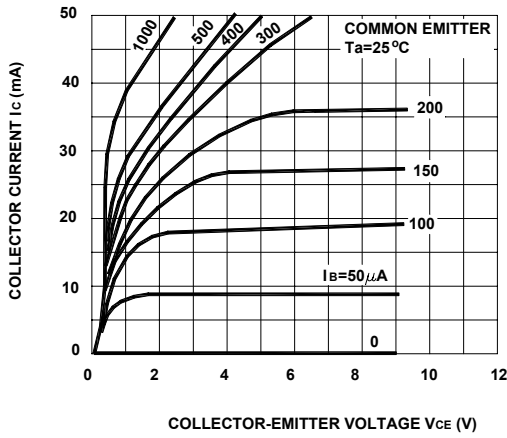
ISO 14001
Certificate No. 7116



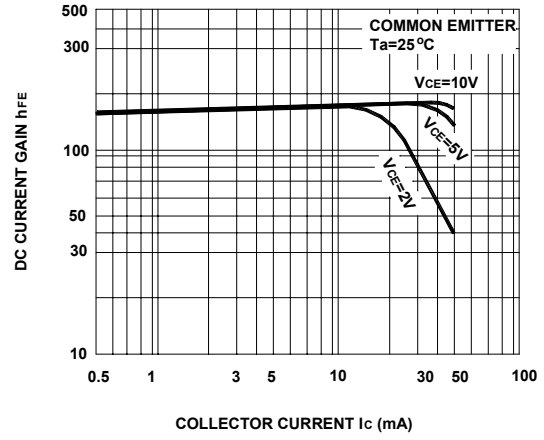
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Certificate No. 6599-1999-00-002-Int

Dated : 07/12/2002

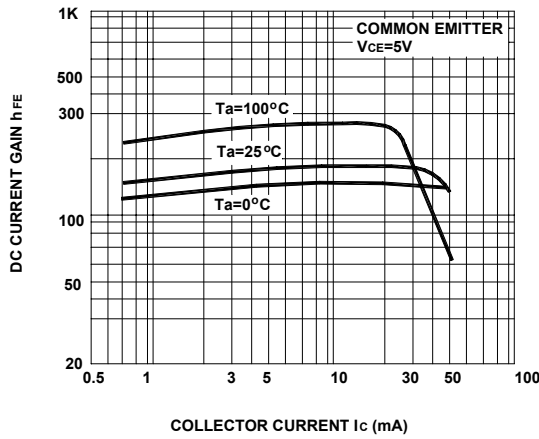
I_c-V_{CE}



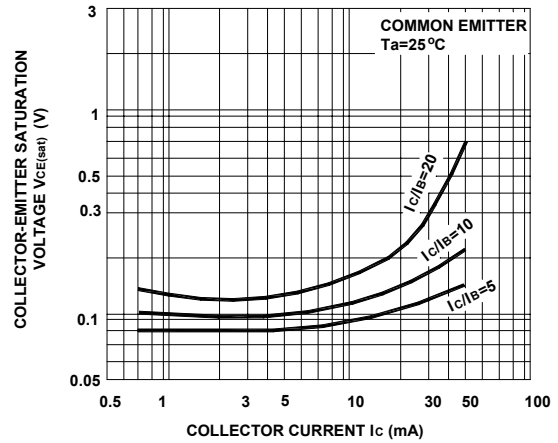
h_{FE}-I_c



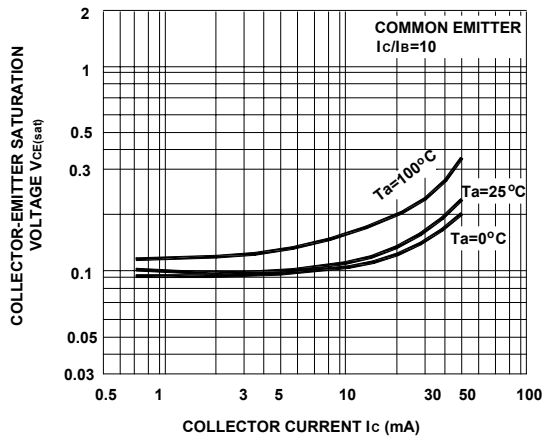
h_{FE}-I_c



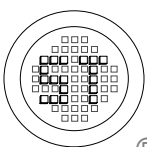
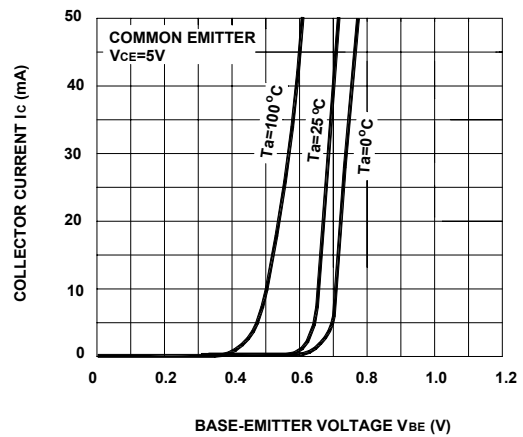
V_{CE(sat)}-I_c



V_{CE(sat)}-I_c

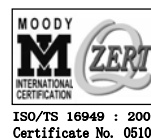


I_c-V_{BE}



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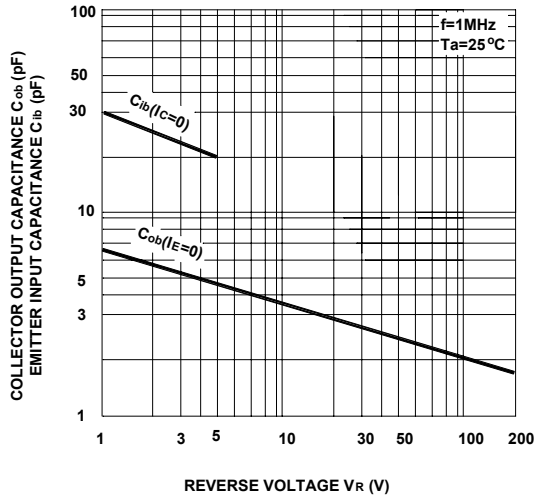
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Certificate No. 7116



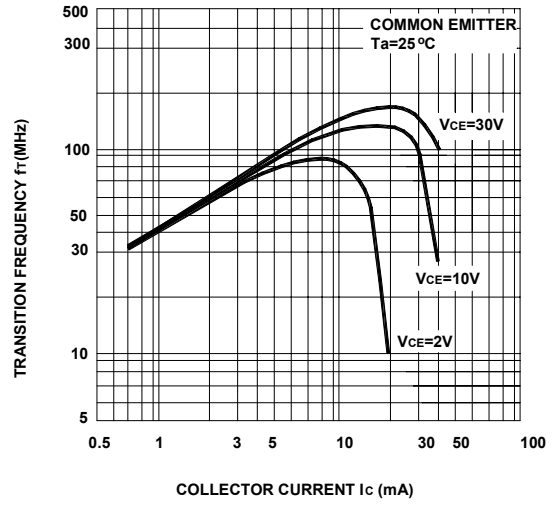
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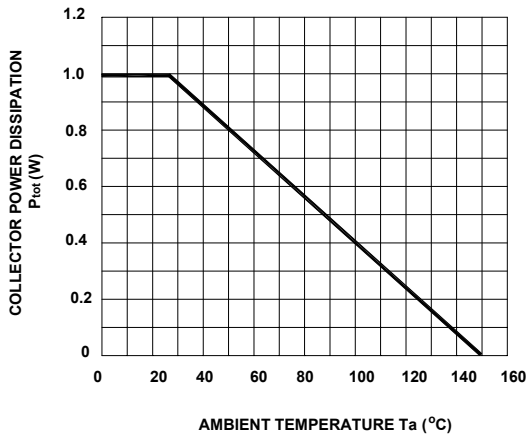
C_{ib}, C_{ob}-V_R



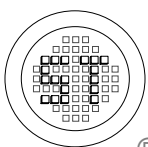
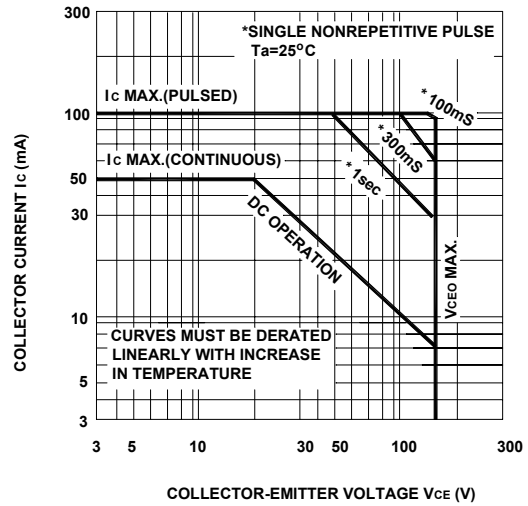
f_t-I_C



P_c-T_a

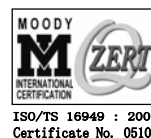


SAFE OPERATING AREA



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Dated : 07/12/2002