

SANYO	No.796C	2 S C 2 8 4 0 NPN Epitaxial Planar Type Silicon Transistor FOR HIGH FREQUENCY AMPLIFIER USE
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Features

- . FBET series.
- . Compact package enabling compactness of sets.
- . High f_T and small c_{re} ($f_T=600\text{MHz typ}$, $c_{re}=0.5\text{pF typ}$).

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

		unit
Collector to Base Voltage	V_{CBO}	25 V
Collector to Emitter Voltage	V_{CEO}	20 V
Emitter to Base Voltage	V_{EBO}	3 V
Collector Current	I_C	30 mA
Collector Dissipation	P_C	150 mW
Junction Temperature	T_J	125 $^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +125 $^\circ\text{C}$

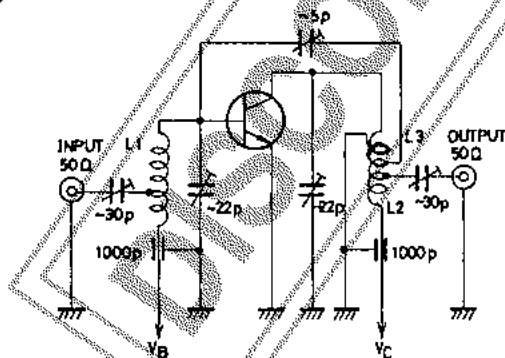
Electrical Characteristics at $T_a=25^\circ\text{C}$

		min	typ	max	unit
Collector Cutoff Current	I_{CBO} $V_{CE}=10\text{V}, I_E=0$			0.1	μA
Emitter Cutoff Current	I_{EBO} $V_{EB}=3\text{V}, I_C=0$			0.1	μA
DC Current Gain	h_{FE} $V_{CE}=6\text{V}, I_C=1\text{mA}$	40*		200*	
Gain-Bandwidth Product	f_T $V_{CE}=6\text{V}, I_C=4\text{mA}$	360	600		MHz
Reverse Transfer Capacitance	c_{re} $V_{CB}=6\text{V}, f=1\text{MHz}$	0.5	0.8		pF
C-B Time Constant	$r_{bb} \tau_c$ $V_{CB}=6\text{V}, I_C=1\text{mA}, f=31.9\text{MHz}$			19	ps
Noise Figure	NF $V_{CE}=6\text{V}, I_C=1\text{mA}, f=100\text{MHz}$	2.8			dB
Power Gain	PG $V_{CE}=6\text{V}, I_C=1\text{mA}, f=100\text{MHz}$		27		dB

*:The 2SC2840 is classified by 1mA h_{FE} as follows :

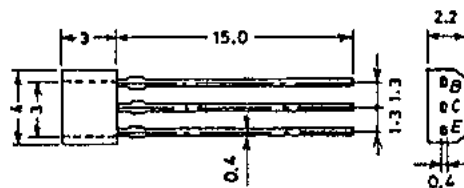
40	C	80	60	D	120	100	E	200
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NF, PC Test Circuit



- L1: 1mm ϕ plated wire, 10mm ϕ 5T, pitch 15mm, tap: 2T from base side.
- L2: 1mm ϕ plated wire, 10mm ϕ 7T, pitch 10mm, tap: 2T from V_C side.
- L3: 1mm ϕ enameled wire, 10mm ϕ 3T, pitch 10mm.

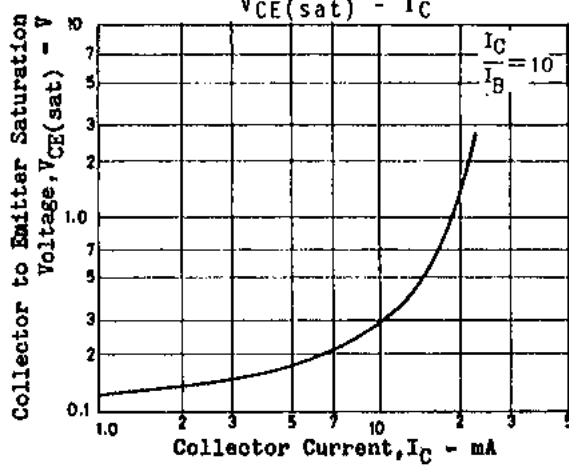
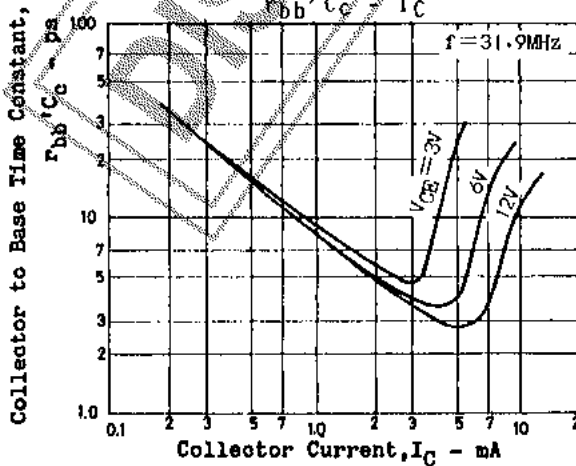
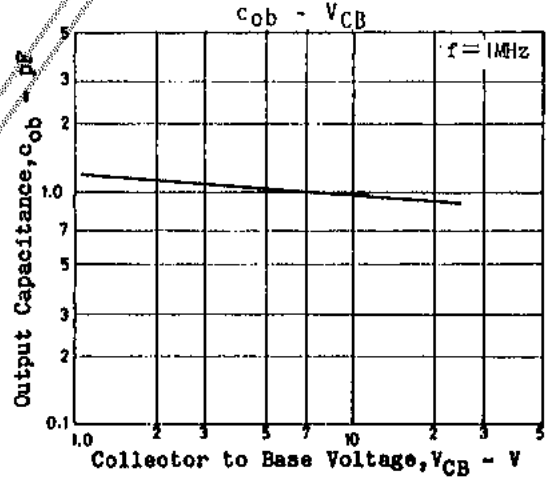
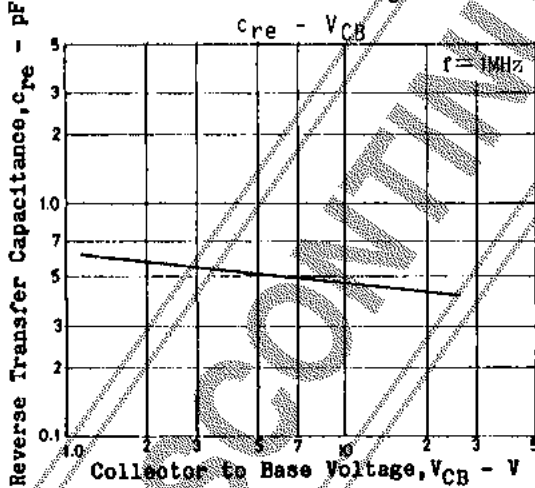
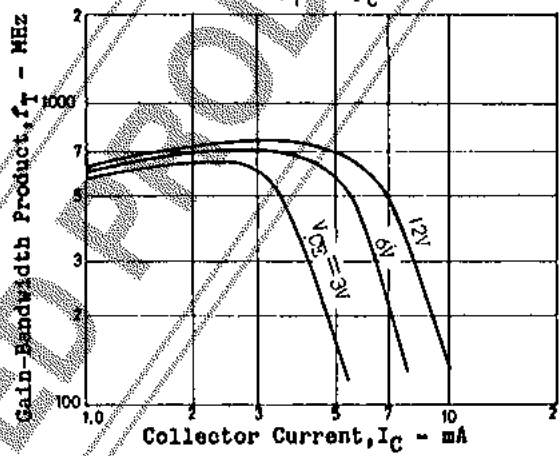
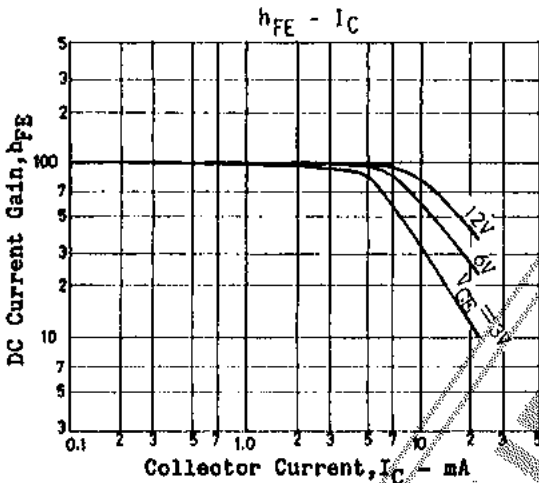
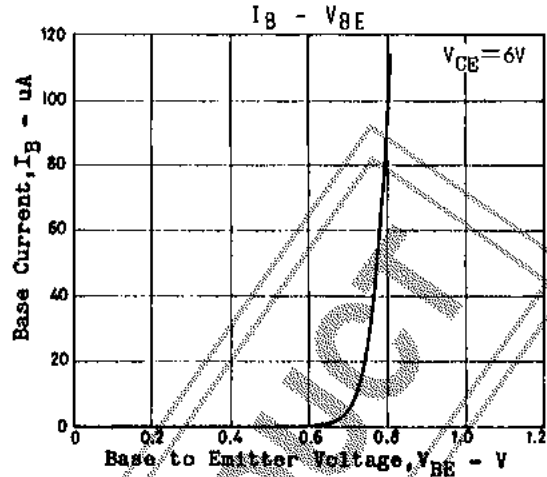
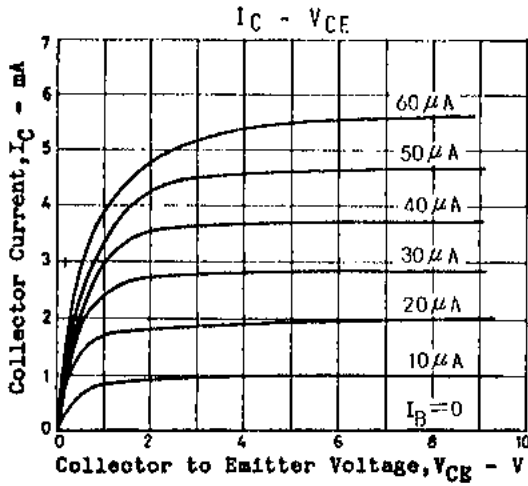
Case Outline 2033
(unit:mm)



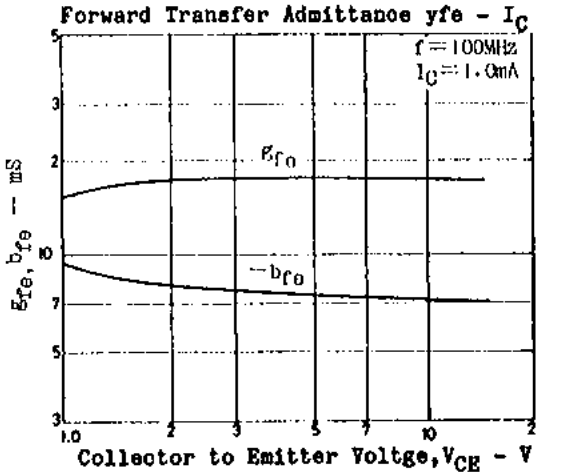
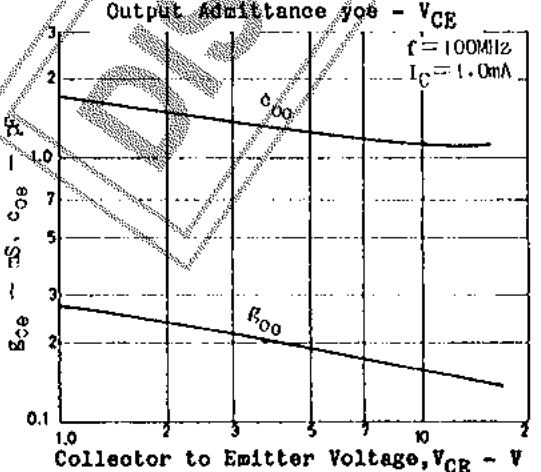
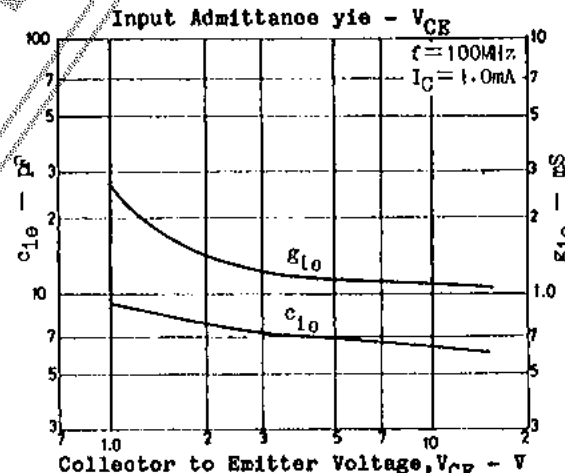
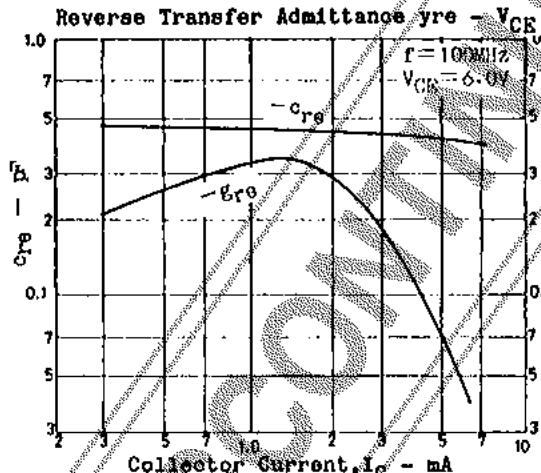
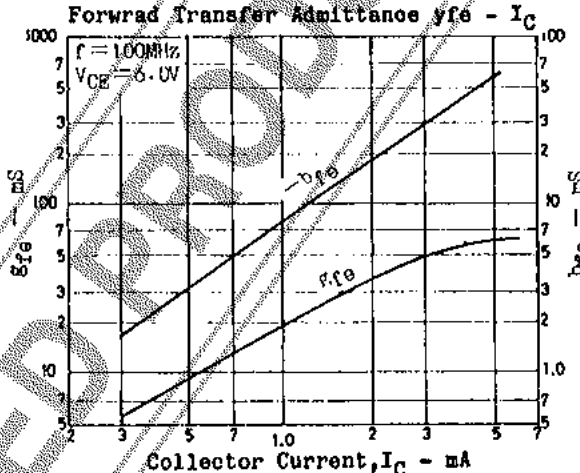
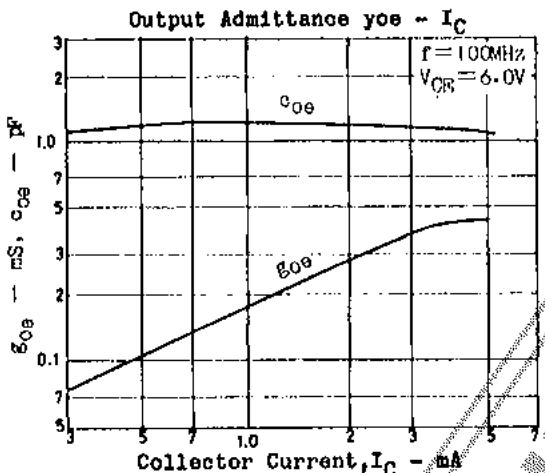
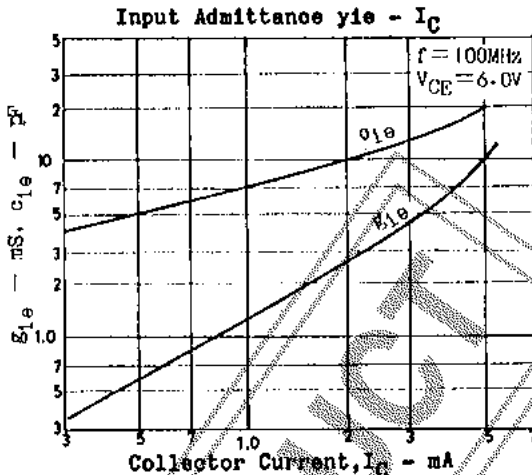
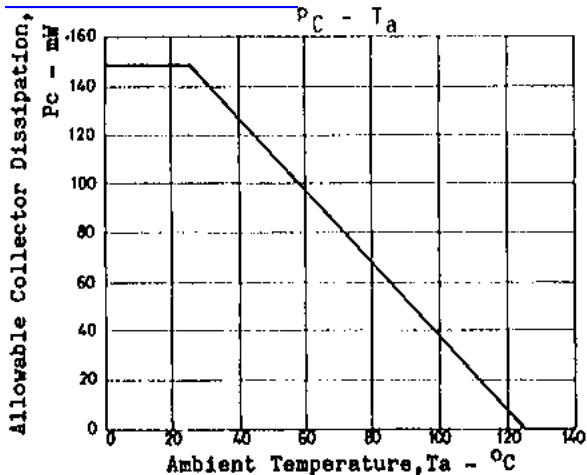
B: Base
C: Collector
E: Emitter

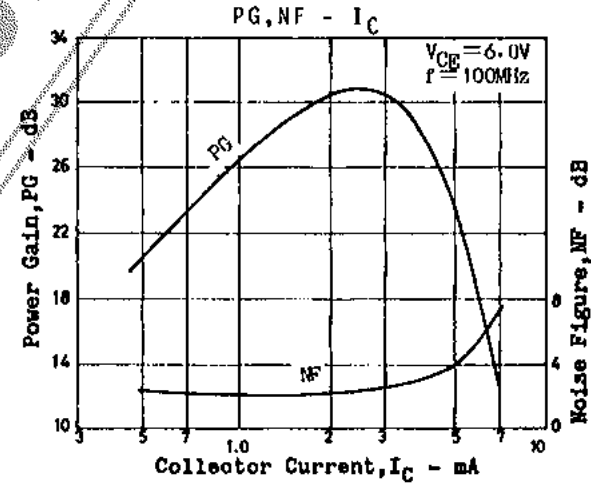
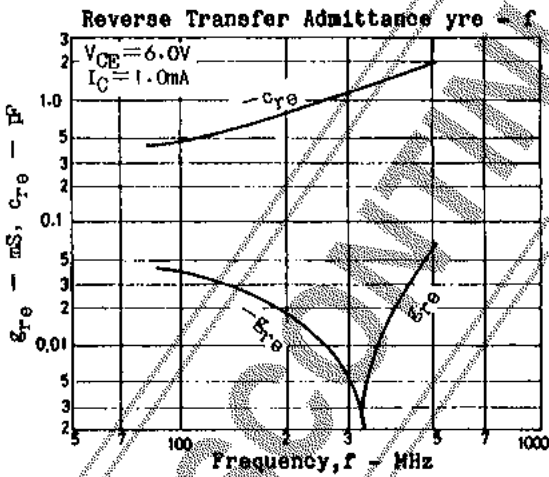
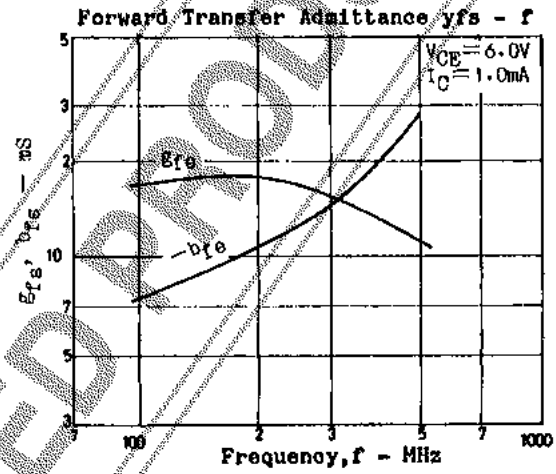
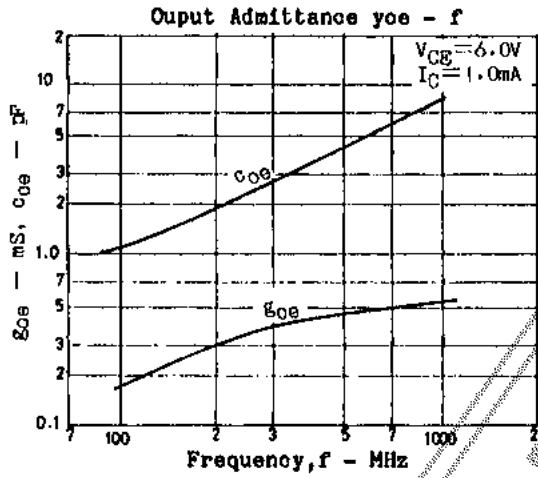
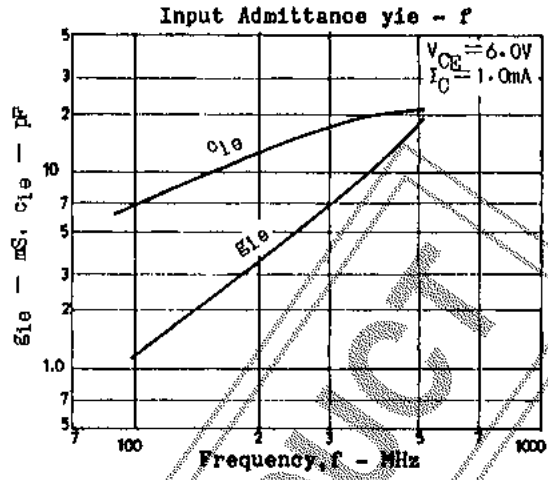
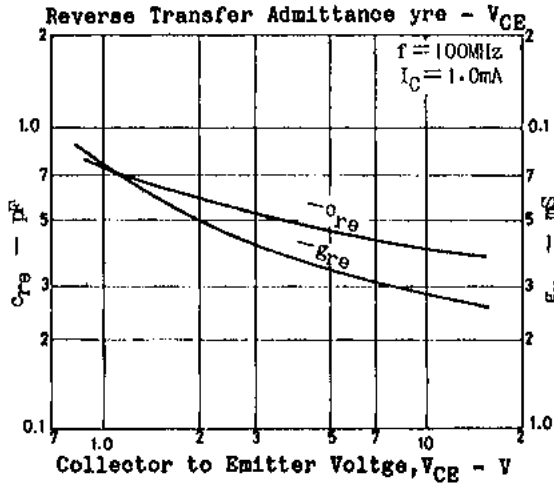
SANYO: SPA

These specifications are subject to change without notice.



查询"2SC2840"供应商





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