

SANYO	No.429E	2SC1755
		NPN Triple Diffused Planar Silicon Transistor TV Chroma, Video, Audio Output Applications

Absolute Maximum Ratings at Ta=25°C

			unit
Collector-to-Base Voltage	V _{CB0}	300	V
Collector-to-Emitter Voltage	V _{CE0}	300	V
Emitter-to-Base Voltage	V _{EB0}	7	V
Collector Current	I _C	200	mA
Collector Current (Pulse)	I _{CP}	700	mA
Collector Dissipation	P _C	1.2	W
	P _C	T _c =25°C	15 W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-40 to +150	°C

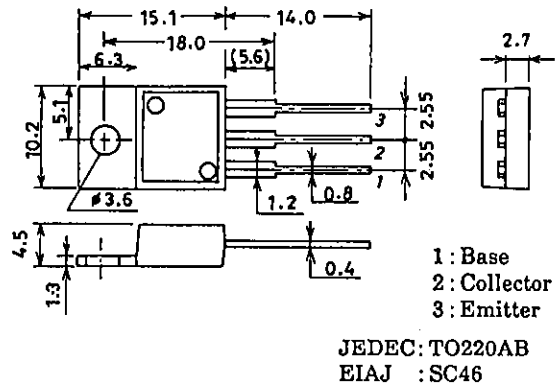
Electrical Characteristics at Ta=25°C

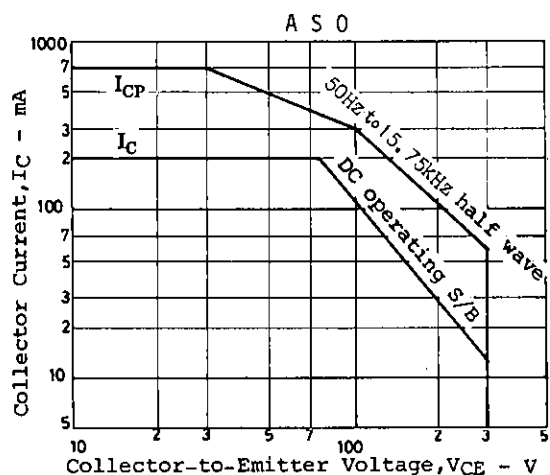
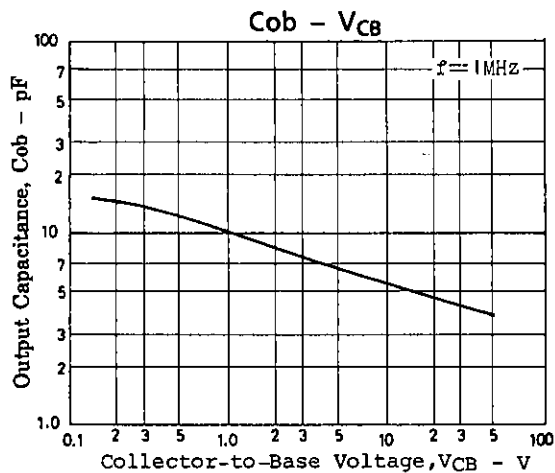
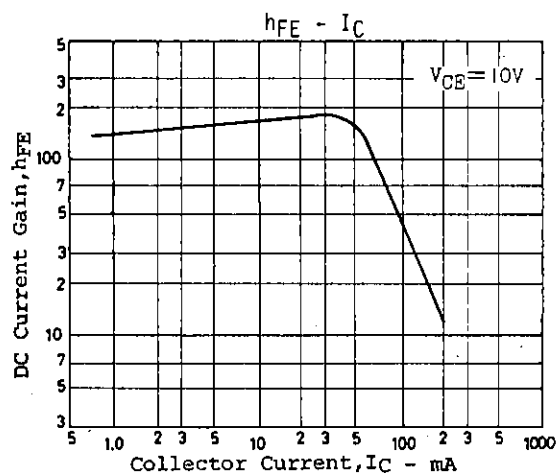
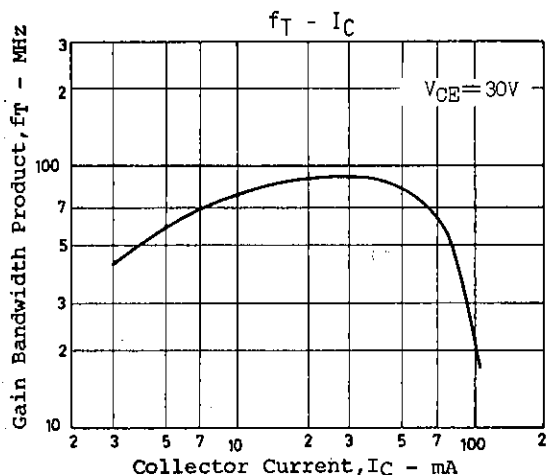
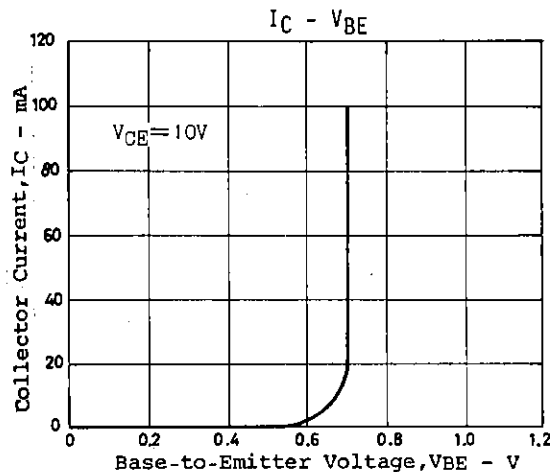
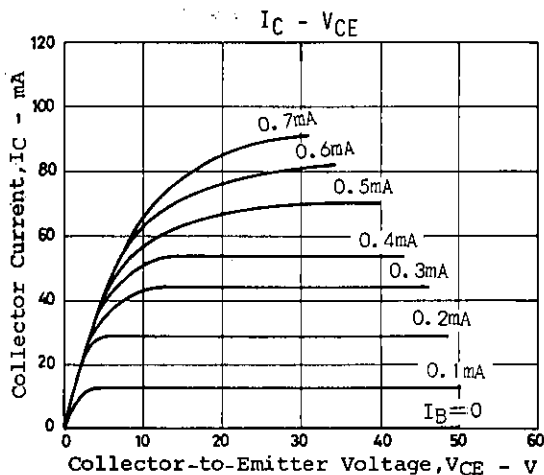
			min	typ	max	unit
Collector Cutoff Current	I _{CB0}	V _{CB} =200V, I _E =0			0.1	μA
Emitter Cutoff Current	I _{EB0}	V _{EB} =5V, I _C =0			0.1	μA
DC Current Gain	h _{FE}	V _{CE} =10V, I _C =10mA	40*		200*	
Gain Bandwidth Product	f _T	V _{CE} =30V, I _C =10mA	50			MHz
Output Capacitance	C _{ob}	V _{CB} =50V, f=1MHz			5.3	pF
C-E Saturation Voltage	V _{CE(sat)}	I _C =50mA, I _B =5mA			2.0	V

The 2SC1755 is classified by 10mA h_{FE} as follows:

40	C	80	60	D	120	100	E	200
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Package Dimensions 2010C
(unit: mm)





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