

# 2SC1755/1756 2SC1757

NPN Triple Diffused Planar Silicon Transistors

For Chroma Output & AF Output  
of Color TV

For Video Output & AF Output  
of B/W TV

These 2SC1755,1756,1757 are different only from their packages.

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

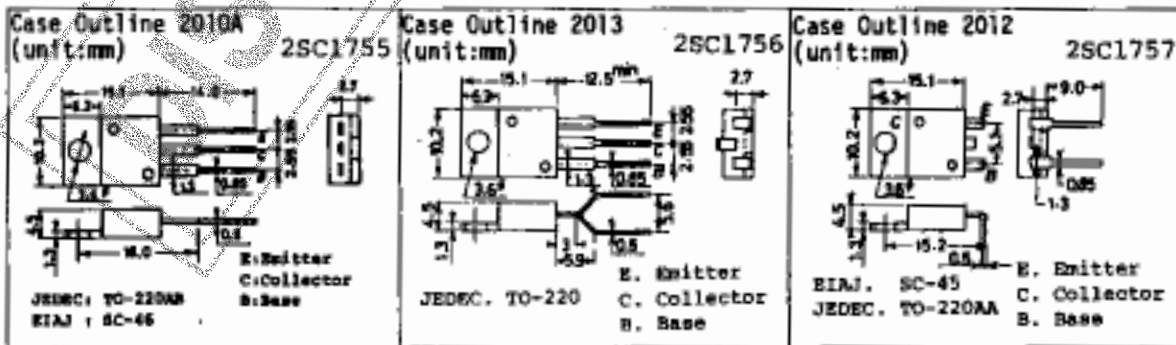
Collector to Base Voltage	V <sub>CB0</sub>	300	V	unit
Collector to Emitter Voltage	V <sub>CE0</sub>	300	V	
Emitter to Base Voltage	V <sub>EB0</sub>	7	V	
Collector Current	I <sub>C</sub>	200	mA	
Peak Collector Current	i <sub>cp</sub>	700	mA	
Collector Dissipation	P <sub>C</sub>	1.2	W	
	P <sub>C</sub>	T <sub>c</sub> =25°C	15	W
Junction Temperature	T <sub>j</sub>	150	°C	
Storage Temperature	T <sub>stg</sub>	-40 to +150	°C	

**Electrical Characteristics at Ta=25°C**

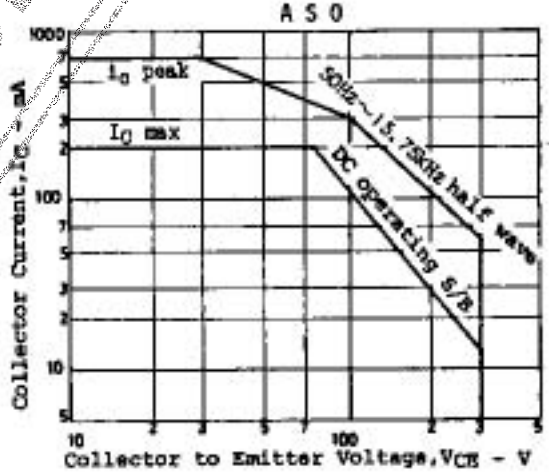
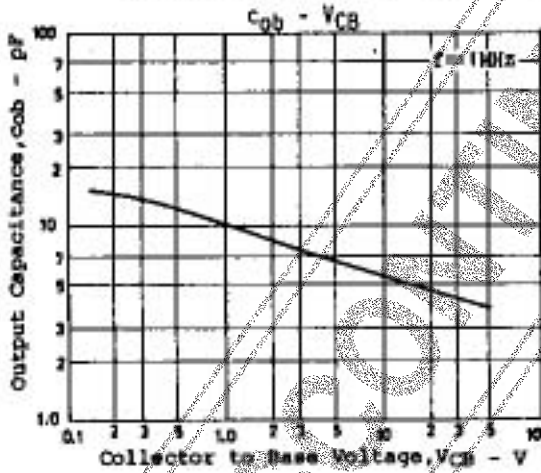
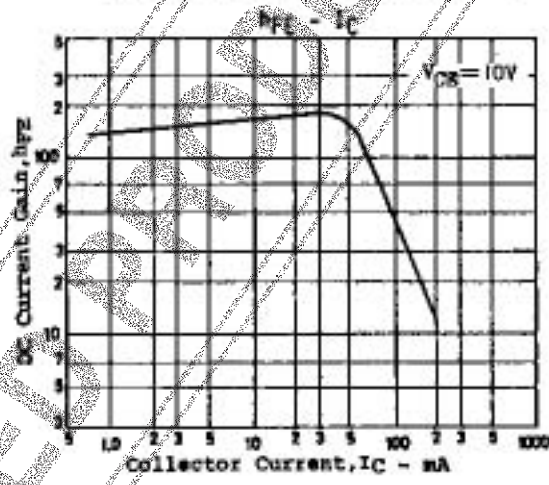
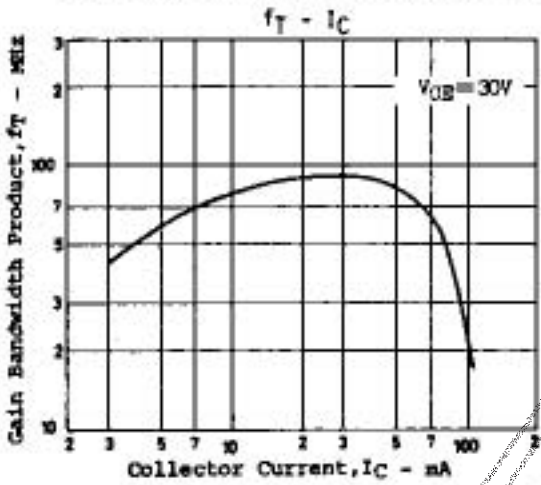
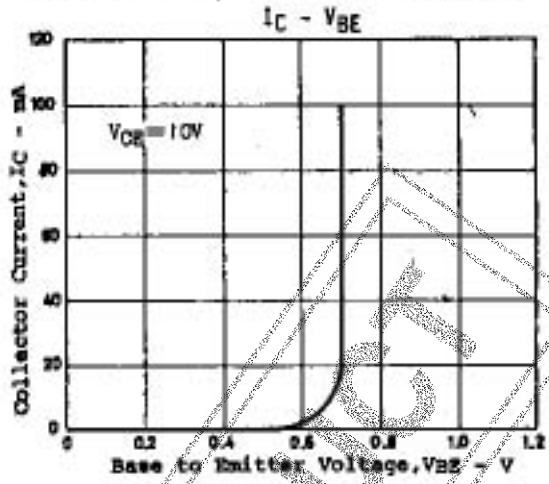
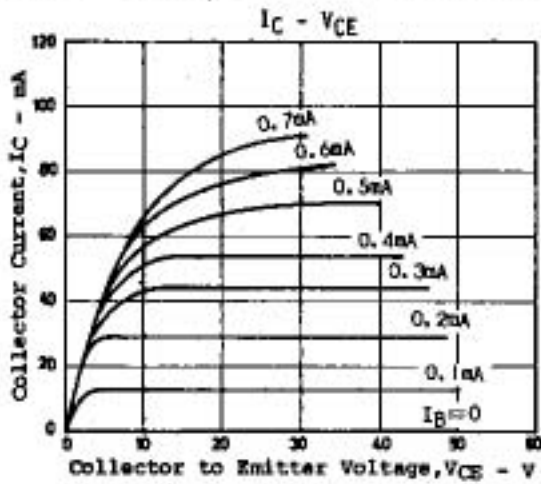
		min	typ	max	unit
Collector Cutoff Current	I <sub>CB0</sub> V <sub>CB</sub> =200V, I <sub>B</sub> =0			0.1	μA
Emitter Cutoff Current	I <sub>EB0</sub> V <sub>EB</sub> =5V, I <sub>C</sub> =0			0.1	μA
DC Current Gain	h <sub>FE</sub> V <sub>CE</sub> =10V, I <sub>C</sub> =10mA	40*		200*	
Gain Bandwidth Product	f <sub>T</sub> V <sub>CE</sub> =30V, I <sub>C</sub> =10mA	50			MHz
Output Capacitance	C <sub>ob</sub> V <sub>CB</sub> =50V, f=1MHz			5.3	pF
C-E Saturation Voltage	V <sub>CE(sat)</sub> I <sub>C</sub> =50mA, I <sub>B</sub> =5mA			2.0	V

\* The 2SC1755,1756, 1757 are classified as follows.

40	C	80	60	D	120	100	E	200
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These specifications are subject to change without notice.



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