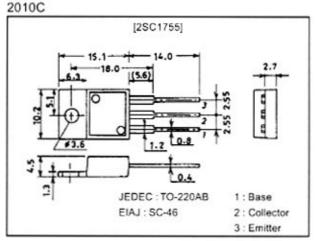




# TV Chroma, Video, Audio Output Applications

### **Package Dimensions**

unit:mm



## Specifications

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

Parameter	Symbol	Conditions	Ratings	Unit	
Collector-to-Base Voltage	Vсво		300	V	
Collector-to-Emitter Voltage	VCEO		300	V	
Emitter-to-Base Voltage	VEBO		7	V	
Collector Current	lc lc		200	mA	
Collector Current (Pulse)	ICP		700	mA	
Collector Dissipation	Pc		1.2	W	
		Tc=25'C	15	W	
Junction Temperature	Tj		150	,C	
Storage Temperature	Tstg		-40 to •150	,C	

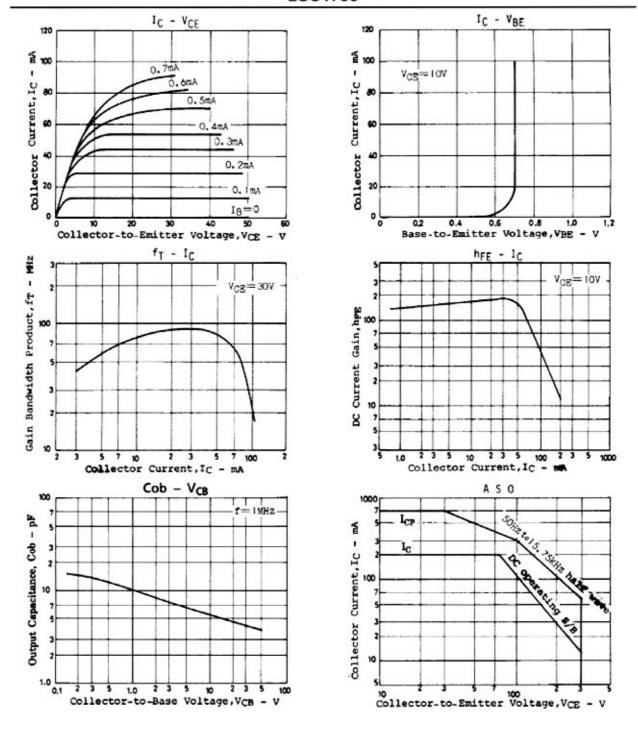
#### Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions		Ratings		
			min	typ	max	Unit
Collector Cutoff Current	1CBO	V <sub>CB</sub> =200V, I <sub>E</sub> =0			0.1	μА
Emitter Cutoff Current	EBO	VEB=5V, IC=0			0.1	μA
DC Current Gain	hFE	VCE=10V, IC=10mA	40*		200*	
Gain-Bandwidth Product	fT	V <sub>CE</sub> =30V, I <sub>C</sub> =10mA	50			MHz
Output Capacitance	Cob	V <sub>CB</sub> =50V, f=1MHz			5.3	pF
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC=50mA, Ig=5mA			2.0	V

\*: The 2SC1755 is classified by 10mA hFE as follows:

40 C 80 60 D 120 100 E 200

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