



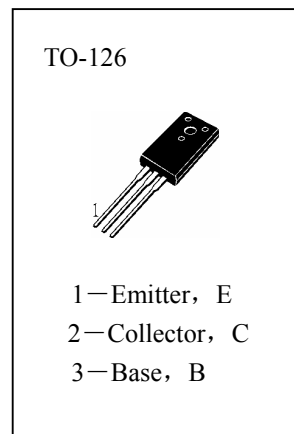
HSC2621

APPLICATIONS

Color TV Chroma Output Applications

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

- T_{stg}—Storage Temperature..... -55~150°C
- T_j—Junction Temperature..... 150°C
- P_C—Collector Dissipation (T_c=25°C) 10W
- P_C—Collector Dissipation..... 1.2W
- V_{CBO}—Collector-Base Voltage..... 300V
- V_{CEO}—Collector-Emitter Voltage..... 300V
- V_{EBO}—Emitter-Base Voltage.....6.5V
- I_C—Collector Current.....200mA
- I_{CP}—Collector Current (Pulse)700mA



ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
I _{CBO}	Collector Cut-off Current			1.0	μ A	V _{CB} =200V, I _E =0
I _{EBO}	Emitter Cut-off Current			1.0	μ A	V _{EB} =6V, I _C =0
H _{FE}	DC Current Gain	40		200		V _{CE} =10V, I _C =10mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			0.6	V	I _C =20mA, I _B =2mA
V _{BE(sat)}	Base-Emitter Saturation Voltage			1.0	V	I _C =20mA, I _B =2mA
f _t	Current Gain-Bandwidth Product	50			MHZ	V _{CE} =30V, I _C =10mA,
C _{ob}	Output Capacitance			5	pF	V _{CB} =50V, f=1MHZ

h_{FE} Classification

C	D	E
40—80	60—120	100—200