/ Descriptions

TO-126F NPN Silicon NPN transistor in a TO-126F Plastic Package.

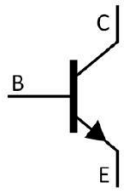
/ Features

High V_{CEO}.

/ Applications

Color TV chroma output applications.

/ Equivalent Circuit



/ Pinning

PIN1 Emitter PIN 2 Collector PIN 3 Base

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	C	D	E
h_{FE} Range	40 80	60 120	100 200

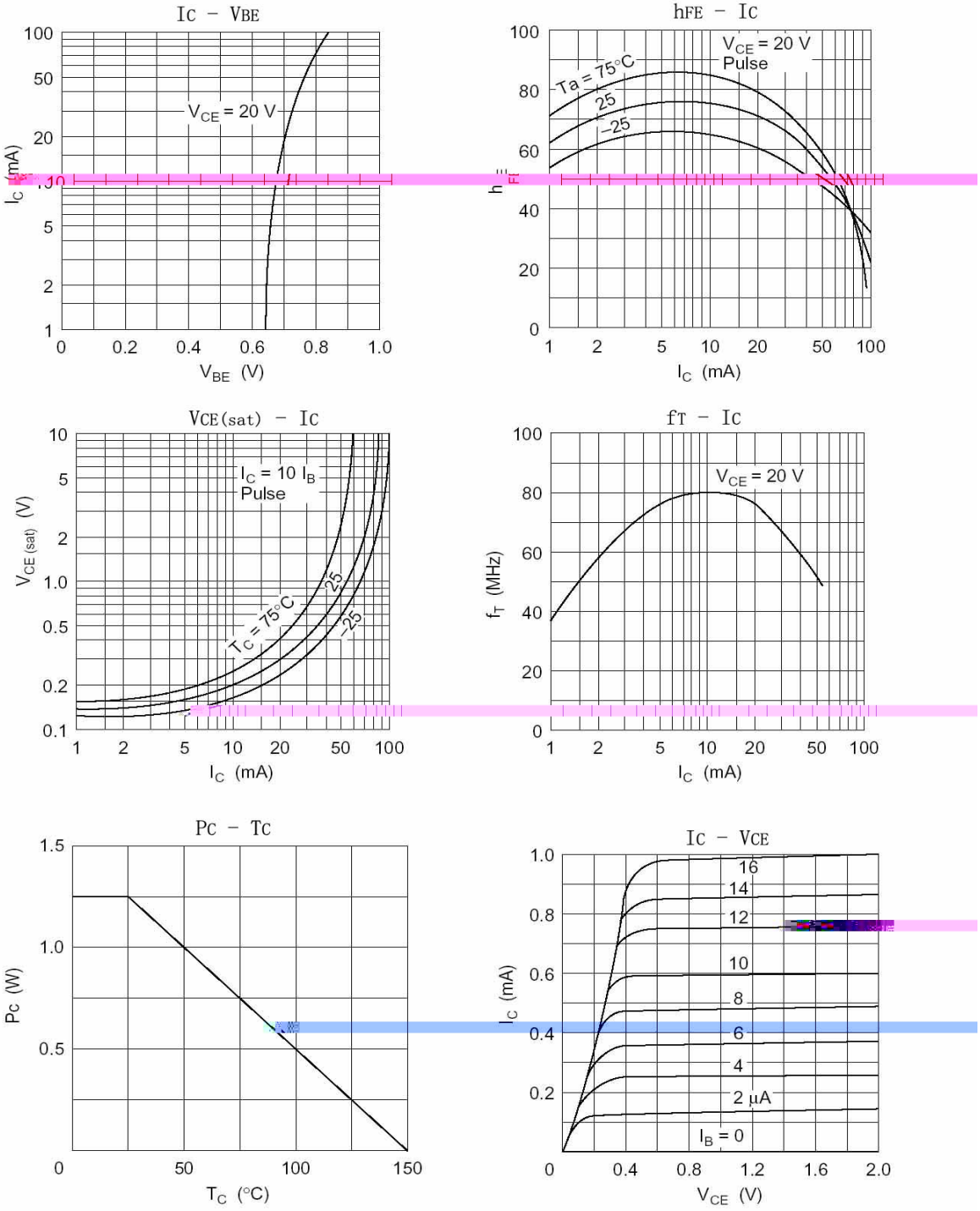
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	300	V
Collector to Emitter Voltage	V_{CEO}	300	V
Emitter to Base Voltage	V_{EBO}	6.5	V
Collector Current - Continuous	I_C	200	mA
Collector Current – Continuous(Pulse)	I_{CP}	700	mA
Collector Power Dissipation	P_C	1.2	W
Collector Power Dissipation	P_C(Tc=25℃)	10	W
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	-55 150	℃

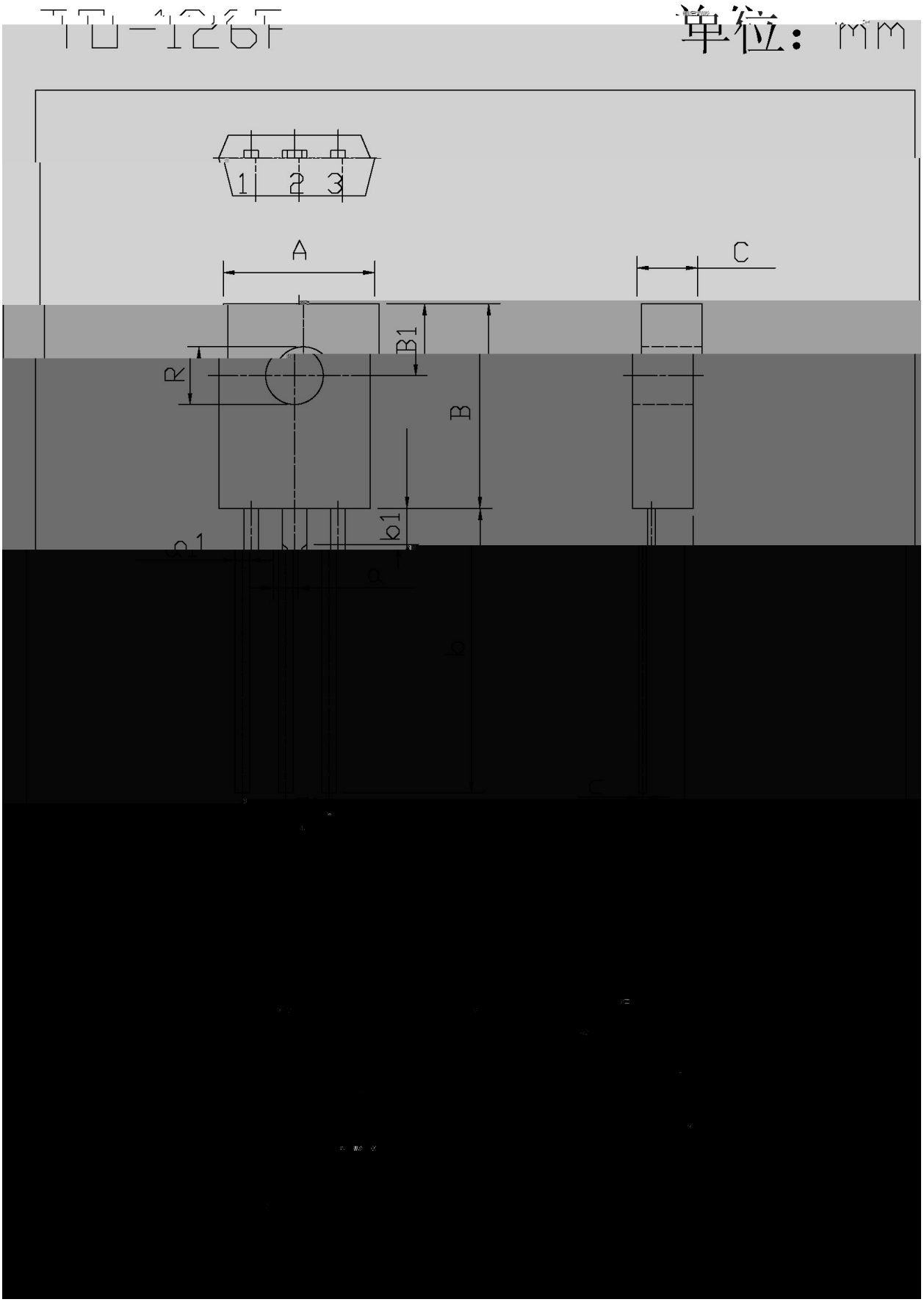
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=200V I_E=0			1.0	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=6.0V I_C=0			1.0	μA
DC Current Gain	h_{FE}	V_{CE}=10V I_C=10mA	40		200	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=20mA I_B=2.0mA			0.6	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	I_C=20mA I_B=2.0mA			1.0	V
Transition Frequency	f_T	V_{CE}=30V I_C=10mA	50			MHz
Reverse Transfer Capacitance	C_{ob}	V_{CB}=50V I_E=0 f=1.0MHz			5.0	pF

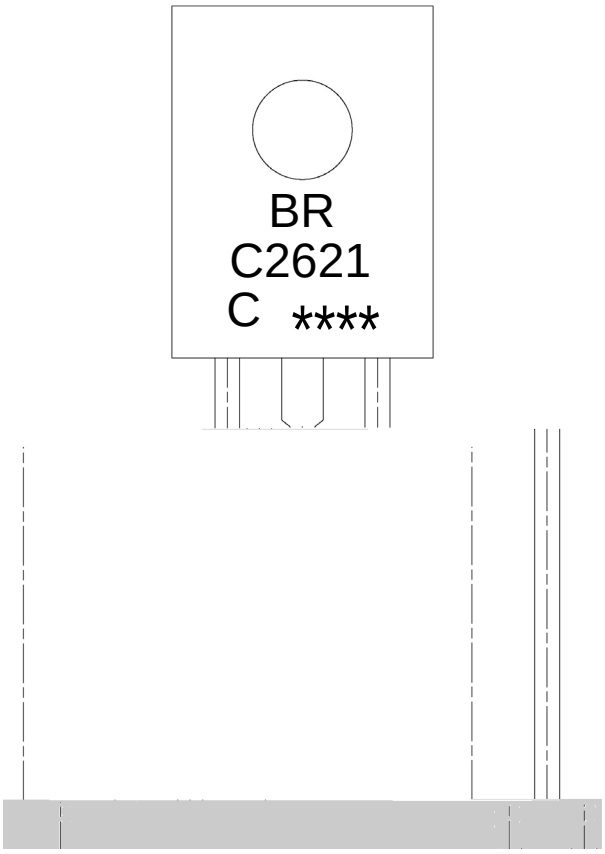
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

C2621

C: h_{FE}

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Note:

BR:	Company Code
C2621:	Product Type.
C:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.