风光欣技术资料

C2688

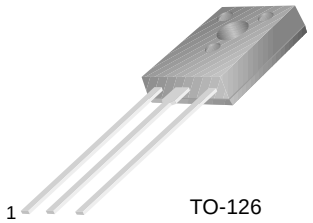
—NPN silicon —

TO-126

■■**APPLICATION:** Color TV Chroma Output and Video Output

■■**MAXIMUM RATINGS**（Ta＝25℃）

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	300	V
Collector-emitter voltage	V_{CEO}	300	V
Emitter-base voltage	V_{EBO}	5	V
Collector current	I_C	200	mA
Power Dissipation	P_C	1.25~10	W
Junction Temperature	T_J	150	℃
Storage Temperature Range	Tstg	－55~150	℃



1. Emitter 2.Collector 3.Base

■■ELECTRICAL CHARACTERISTICS（Ta=25℃）

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Common Emitter DC Current Gain	h_{FE}	40	80	250		V_{CE}= 10V，Ic= 10mA
Collector Cut-off Current	I_{CBO}			0.1	μA	V_{CB}= 200V，I_E=0
Emitter Cut-off Current	I_{EBO}			0.1	μA	V_{EB}= 5V，Ic=0
Collector-Base Breakdown Voltage	BV_{CBO}	300			V	Ic= 0.1mA，I_E=0
Collector-Emitter Breakdown Voltage	BV_{CEO}	300			V	Ic= 10mA，I_B=0
Emitter-Base Breakdown Voltage	BV_{EBO}	5			V	I_E= 0.1mA，Ic=0
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			1.5	V	Ic= 50mA，I_B= 5mA
Gain bandwidth product	f_T	50	80		MHz	Ic= 10mA，V_{CE}= 30V
Feed Back Capacitance	Cre			3	pF	V_{CB}= 30V，I_E=0，f = 1 MHz

■■hFE **Classification And Marking**

Classification	N	M	L	K
h_{FE}	40~80	60~120	100~200	160~250