

isc Silicon NPN Power Transistor

2SC3621

DESCRIPTION

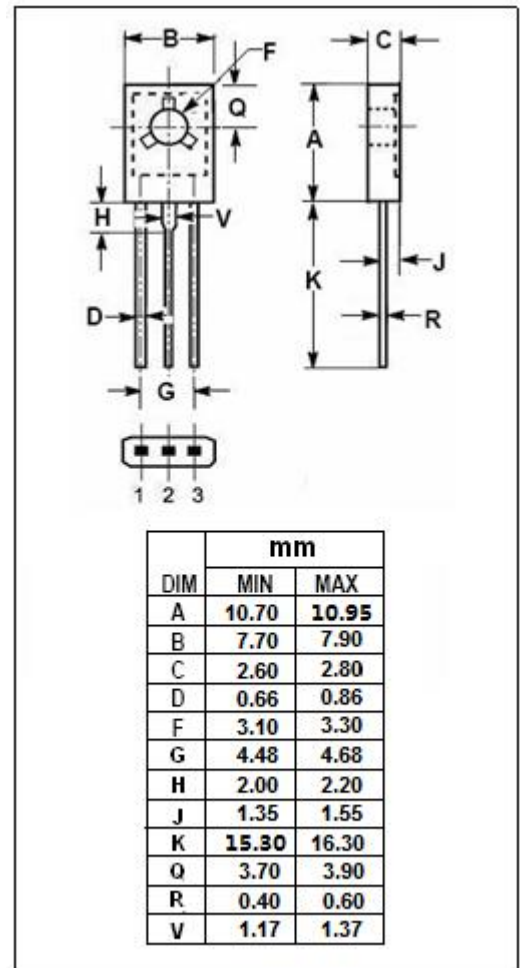
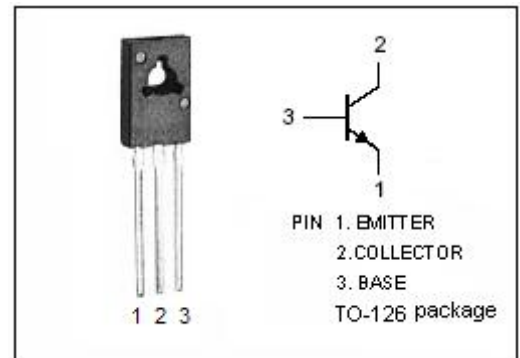
- Low Collector Saturation Voltage
- High breakdown voltage
- Complementary to 2SA1408
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Color TV vert.deflection output application
- Color TV class B sound output application

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	150	V
V_{CEO}	Collector-Emitter Voltage	150	V
V_{EBO}	Emitter-Base Voltage	6	V
I_C	Collector Current-Continuous	1.5	A
P_C	Collector Power Dissipation @ $T_c=25^{\circ}\text{C}$	10	W
	Collector Power Dissipation @ $T_a=25^{\circ}\text{C}$	1.5	
T_J	Junction Temperature	150	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^{\circ}\text{C}$



isc Silicon NPN Power Transistor**2SC3621****ELECTRICAL CHARACTERISTICS****T_C=25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CBO}	Collector-Base breakdown voltage	I _C =1mA ; I _B =0	150			V
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _C =10mA ; I _B =0	150			V
V _{(BR)EBO}	Emitter-base breakdown voltage	I _E =1mA ; I _C =0	6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C =500mA; I _B = 50mA			1.5	V
V _{BE(ON)}	Base-Emitter On Voltage	I _C = 5mA ; V _{CE} = 5V			0.8	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 150V ; I _E = 0			1.0	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = 6V; I _C = 0			1.0	μ A
h _{FE}	DC Current Gain	I _C = 200mA ; V _{CE} = 5V	60		200	
f _T	Current-Gain—Bandwidth Product	I _E = 200mA; V _{CE} = 5V	20	100		MHz
C _{OB}	Output Capacitance	I _E = 0 ; V _{CB} = 10V, f _{test} = 1MHz		13		pF

◆ **h_{FE} Classifications**

R	O
60-120	100-200

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