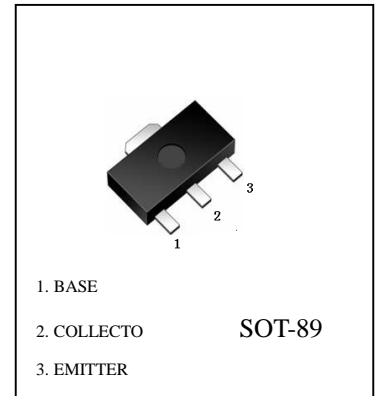


**FEATURES**

- Low current (max. 50mA)
- High voltage (max. 300V).
- Video output stages.

Marking: DC

**BF620 (NPN)**

**Maximum Ratings (Ta=25 °C unless otherwise noted)**

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V <sub>CB0</sub>	300	V
Collector-Emitter Voltage	V <sub>CEO</sub>	300	V
Emitter-Base Voltage	V <sub>EBO</sub>	5	V
Collector Current -Continuous	I <sub>C</sub>	50	mA
Collector Power dissipation	P <sub>C</sub>	500	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-55to +150	°C

**ELECTRICAL CHARACTERISTICS ( @ Ta=25 °C unless otherwise specified)**

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V <sub>CB0</sub>	I <sub>C</sub> =100μA, I <sub>E</sub> =0	300			V
Collector-emitter breakdown voltage	V <sub>CEO</sub>	I <sub>C</sub> =1mA, I <sub>B</sub> =0	300			V
Emitter-base breakdown voltage	V <sub>EBO</sub>	I <sub>E</sub> =100μA, I <sub>C</sub> =0	5			V
Collector cut-off current	I <sub>CB0</sub>	V <sub>CB</sub> =200V, I <sub>E</sub> =0			10	nA
Emitter cut-off current	I <sub>EBO</sub>	V <sub>EB</sub> =5V, I <sub>C</sub> =0			50	nA
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> =20V, I <sub>C</sub> =25mA	50			
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =30mA, I <sub>B</sub> =5mA			0.6	V
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =10mA, f=100MHz	60			MHz

**BF620** Typical Characteristics

