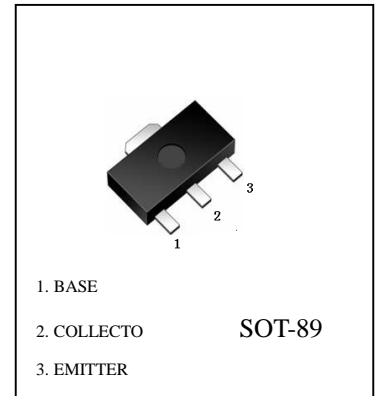


FEATURES

- 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 _{CB0}	300	V
Collector-Emitter Voltage	V _{CEO}	300	V
Emitter-Base Voltage	V _{EBO}	5	V
Collector Current -Continuous	I _C	50	mA
Collector Power dissipation	P _C	500	mW
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55to +150	°C

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{CB0}	I _C =100μA, I _E =0	300			V
Collector-emitter breakdown voltage	V _{CEO}	I _C =1mA, I _B =0	300			V
Emitter-base breakdown voltage	V _{EBO}	I _E =100μA, I _C =0	5			V
Collector cut-off current	I _{CB0}	V _{CB} =200V, I _E =0			10	nA
Emitter cut-off current	I _{EBO}	V _{EB} =5V, I _C =0			50	nA
DC current gain	h _{FE}	V _{CE} =20V, I _C =25mA	50			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =30mA, I _B =5mA			0.6	V
Transition frequency	f _T	V _{CE} =10V, I _C =10mA, f=100MHz	60			MHz

BF620 Typical Characteristics

