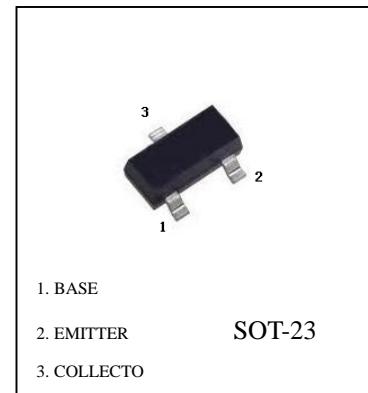


FEATURES

High voltage and high current
 Excellent hFE Linearity
 Low noise, Complementary to C1815

2SA1015(PNP)



MARKING: BA

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V _{CBO}	-50	V
Collector-Emitter Voltage	V _{CEO}	-50	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current -Continuous	I _C	-0.15	A
Collector Power Dissipation	P _C	0.2	W
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{CBO}	I _C = -100u A, I _E =0	-50			V
Collector-emitter breakdown voltage	V _{CEO}	I _C = -0.1mA, I _B =0	-50			V
Emitter-base breakdown voltage	V _{EBO}	I _E = -100 u A, I _C =0	-5			V
Collector cut-off current	I _{CB}	V _{CB} =-50V , I _E =0			-0.1	u A
Collector cut-off current	I _{CE}	V _{CE} = -50V , I _B =0			-0.1	u A
Emitter cut-off current	I _{EB}	V _{EB} =- 5V, I _C =0			-0.1	u A
DC current gain	h _{FE}	V _{CE} =-6V, I _C = -2mA	130		400	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-100 mA, I _B = -10mA			-0.3	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-100 mA, I _B = -10mA			-1.1	V
Transition frequency	f _T	V _{CE} =-10V, I _C = -1mA f=30MHz	80			MHz

CLASSIFICATION OF h_{FE}

Rank	L	H
Range	130-200	200-400

2SA1015 Typical Characteristics
