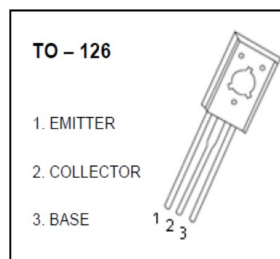


BD236

FEATURES

- Complement to BD235
- Package:TO-126



ABSOLUTE MAXIMUM RATINGS

Ta=25°C unless otherwise noted

Parameter	Symbol	Value	Units
Collector-Base Voltage	V_{CBO}	-60	V
Collector-Emitter Voltage	V_{CEO}	-60	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-2	A
Collector Peak Current	I_{CM}	-6	A
Collector Dissipation	P_C	1.25	W
Junction Temperature	T_j	150	°C
Storage Temperature	T_{STG}	- 55 ~ 150	°C

ELECTRICAL CHARACTERISTICS

(Ta = 25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Max	Unit
Collector-base breakdown voltage	BV_{CBO}	$I_C=-0.1mA, I_E=0$	-60		V
Collector-emitter sustaining voltage	$V_{CEO(SUS)}$	$I_C=-100mA, I_B=0$	-60		V
Emitter-base breakdown voltage	BV_{EBO}	$I_E=-10uA, I_C=0$	-5		V
Collector cut-off current	I_{CBO}	$V_{CB}=-60V, I_E=0$		-100	μA
Emitter cut-off current	I_{EBO}	$V_{EB}=-5V, I_C=0$		-1	mA
DC current gain	H_{FE1}	$V_{CE}=-2V, I_C=-150mA$	40		
	H_{FE2}	$V_{CE}=-2V, I_C=-5mA$	25		
	H_{FE3}	$V_{CE}=-2V, I_C=-1A$	25		
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=-1A, I_B=-100mA$		-0.6	V
Base-emitter voltage	V_{BE}	$V_{CE}=-2V, I_C=-1A$		-1.3	V
Current Gain Bandwidth Product	f_T	$V_{CE}=-10V, I_C=-250mA$	3		MHz