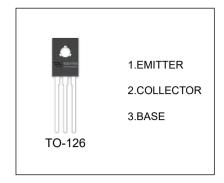


BD434 / BD436 / BD438 TRANSISTOR (PNP)

FEATURES

- Amplifier and Switching Applications
- Complement To BD433, BD435 And BD437



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
BD434	TO-126	Bulk	200pcs/Bag
BD436	TO-126	Bulk	200pcs/Bag
BD438	TO-126	Bulk	200pcs/Bag
BD434-TU	TO-126	Tube	60pcs/Tube
BD436-TU	TO-126	Tube	60pcs/Tube
BD438-TU	TO-126	Tube	60pcs/Tube

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

Symbol	Parameter		Value	Unit
V _{CBO}	Collector-Base Voltage	BD434	-22	
		BD436	-32	V
		BD438	-45	
V _{CEO}	Collector-Emitter Voltage	BD434	-22	
		BD436	-32	V
		BD438	-45	
V _{EBO}	Emitter-Base Voltage		-5	V
Ic	Collector Current - Continuous		-4	Α
Pc	Collector Power Dissipation		1.25	W
T _J ,T _{stg}	Junction Temperature		-55-150	°C



$T_a \text{=} 25\,^\circ\!\!\subset\,$ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _(BR) CBO	BD43 ² I _C =-100μA,I _E =0 BD436 BD438	-32			V
Collector-emitter breakdown voltage	V _{CE(SUS)} ⁽¹⁾	BD434 I _C =-100mA,I _B =0 BD436 BD438	-32			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μA,I _C =0	-5			V
Collector cut-off current	І _{СВО}	V_{CB} =-22V,I _E =0 BD434 V_{CB} =-32V,I _E =0 BD436 V_{CB} =-45V,I _E =0 BD438	5		-100	μΑ
Emitter cut-off current	I _{EBO}	V_{EB} =-5 V , I_E =0			- 1	mA
DC current gain	h _{FE(1)} (1)	V _{CE} =-1V,I _C =-500mA	85		375	
	h _{FE(2)} ⁽¹⁾	V _{CE} =-5V,I _C =-10mA BD434/BD436 BD438				
	h _{FE(3)} ⁽¹⁾	V _{CE} =-1V,I _C =-2A BD434/BD43 BD434	.			
Collector-emitter saturation voltage	V _{CE(sat)} (1)	I _C =-2A,I _B =-0.2A BD434/BD43	3		-0.5	V
a constant contract c		I _C =-3A,I _B =-0.3A BD43	3		-0.7	
Base-emitter voltage	V _{BE} (1)	BD434/BD43 BD43			-1.1 -1.2	V
Transition frequency	f _T	V _{CE} =-1V,I _C =-250mA	3			MHz

⁽¹⁾Pulse test.



