

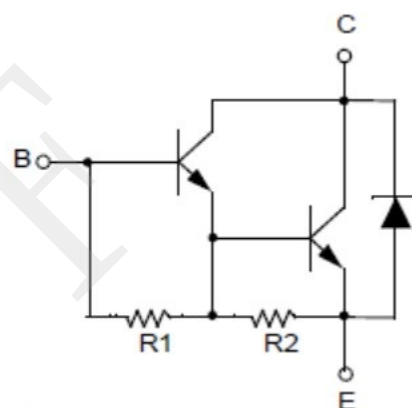
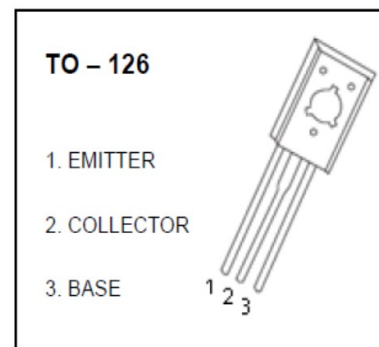
BD675/BD675A

FEATURES

- High DC Current Gain
- Complementary to BD676/BD676A
- Package:TO-126

Maximum Ratings (Ta = 25°, unless otherwise noted)

Parameter	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	45	V
Collector-emitter voltage	V_{CEO}	45	V
Emitter-base voltage	V_{EBO}	5	V
Collector current	I_C	4	A
Base Current	I_B	100	mA
Collector Power Dissipation ($T_C = 25^\circ$)	P_C	40	W
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature	T_{stg}	-60~+150	$^\circ\text{C}$



Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C=1\text{mA}, I_E=0$	45			V
Collector-Emitter Sustaining Voltage	$V_{CEO(SUS)}$	$I_C=50\text{mA}, I_B=0$	45			V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_B=2\text{mA}, I_C=0$	5			V
collector-base cut-off current	I_{CBO}	$V_{CB}=45\text{V}, I_E=0$			0.2	mA
collector-emitter cut-off current	I_{CEO}	$V_{CE}=25\text{V}, I_B=0$			0.5	mA
emitter-base cut-off current	I_{EBO}	$V_{EB}=5\text{V}, I_C=0$			2	mA
DC current gain	BD675	H_{FE}	750			
	BD675A					
collector-emitter saturation voltage	BD675	$V_{CE(SAT)1}$			2.5	V
	BD675A					
Base-Emitter On Voltage	BD675	$V_{BE(on)}$			2.5	V
	BD675A					