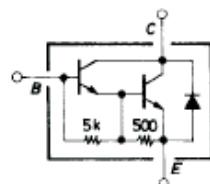
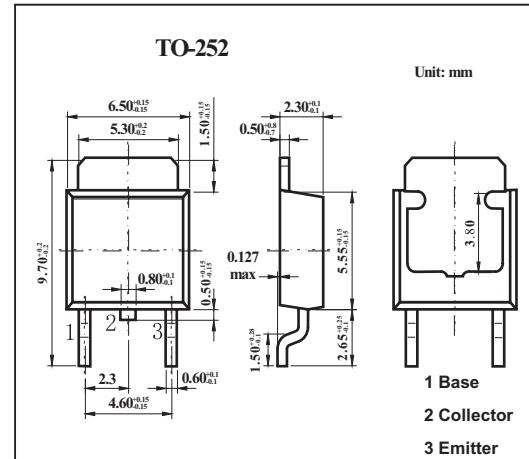


NPN Epitaxial Planar Silicon Transistor**2SD1817****■ Features**

- High DC current gain.

■ Electrical Connection

Unit (resistance : Ω)

**■ Absolute Maximum Ratings Ta = 25°C**

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CBO}	80	V
Collector-emitter voltage	V _{CEO}	60	V
Emitter-base voltage	V _{EBO}	6	V
Collector current	I _C	3	A
Collector current (pulse)	I _{CP}	6	A
Collector dissipation	P _C	1	W
T _a = 25°C		15	W
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector cutoff current	I _{CBO}	V _{CB} = 60V , I _E = 0			10	μA
Emitter cutoff current	I _{EBO}	V _{EB} = 5V , I _C = 0			2.5	mA
DC current Gain	h _{FE}	V _{CE} = 2V , I _C = 1A	2000			
		V _{CE} = 2V , I _C = 2A	1000			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = 2A , I _B = 4mA			1.5	V
Base-to-emitter saturation voltage	V _{BE(sat)}	I _C = 2A , I _B = 4mA			2.0	V
Collector-to-base breakdown voltage	V _{(BR)CBO}	I _C = 1mA , I _E = 0	80			V
Collector-to-emitter breakdown voltage	V _{(BR)CEO}	I _C = 25mA , R _{BE} = ∞	60			V