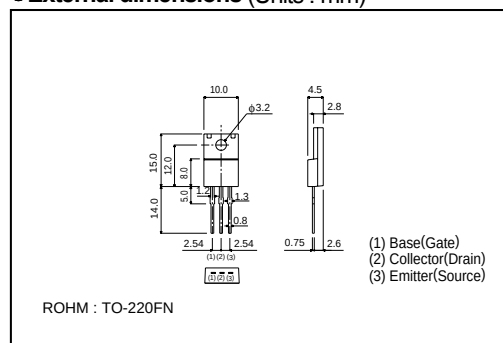


● Features

- **External dimensions** (Units : mm)



●Absolute maximum ratings (Ta=25°C)

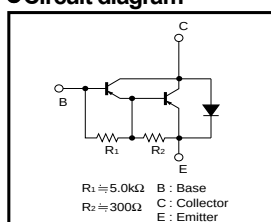
Parameter	Symbol	Limits	Unit
Collector-base voltage	V_{CB0}	-120	V
Collector-emitter voltage	V_{CEs}	-120	V
Emitter-base voltage	V_{EB0}	-6	V
Collector current	I_c	-6	A(DC)
		-10	A(Pulse) ★
Collector power dissipation	P_c	2	W
		30	W($T_c=25^{\circ}\text{C}$)
Junction temperature	T_j	150	$^{\circ}\text{C}$
Storage temperature	T_{stj}	-55~+150	$^{\circ}\text{C}$

* Single pulse, $P_w=10\text{ms}$

●Packaging specifications and h_{FE}

Type	2SB1674
Package	TO-220FN
h_{FE}	2k-20k
Code	-
Basic ordering unit (pieces)	500

●Circuit diagram



●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Collector-base breakdown voltage	BV _{CBO}	-120	-	-	V	I _C =-50μA
Collector-emitter breakdown voltage	BV _{CEO}	-120	-	-	V	I _C =-5mA
Collector cutoff current	I _{CB0}	-	-	-100	μA	V _{CB} =-120V
Emitter cutoff current	I _{EB0}	-	-	-3	mA	V _{EB} =-5V
Collector-emitter saturation voltage	V _{CE(sat)}	-	-	-1.5	V	I _C /I _B =-3A/-6mA
DC current transfer ratio	h _{FE}	2k	-	20k	-	V _{CE} /I _C =-3V/-2A
Transition frequency	f _T	-	12	-	MHz	V _{CE} =-5V, I _E =0.5A, f=10MHz
Output capacitance	C _{ob}	-	70	-	pF	V _{CE} =-10V, I _E =0A, f=1MHz

*₁ Measured using pulse current.

*₂ Transition frequency of the device.