



# 《风光欣》技术资料

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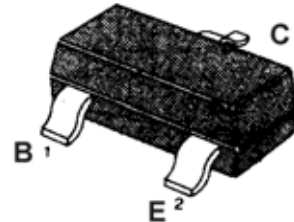
## 2SC4081

## NPN TRANSISTOR

### FEATURES

LOW COB Cob=2.0pF(Typ.)

SOT-323



Pc=0.2W

#### ●Absolute maximum (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	V <sub>CB0</sub>	60	V
Collector-emitter voltage	V <sub>CE0</sub>	50	V
Emitter-base voltage	V <sub>EB0</sub>	7	V
Collector current	I <sub>c</sub>	0.15	A
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55~+150	°C

#### ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Collector-base breakdown voltage	BV <sub>CB0</sub>	60	-	-	V	I <sub>c</sub> =50μA
Collector-emitter breakdown voltage	BV <sub>CE0</sub>	50	-	-	V	I <sub>c</sub> =1mA
Emitter-base breakdown voltage	BV <sub>EB0</sub>	7	-	-	V	I <sub>E</sub> =50μA
Collector cutoff current	I <sub>cB0</sub>	-	-	0.1	μA	V <sub>CB</sub> =60V
Emitter cutoff current	I <sub>EB0</sub>	-	-	0.1	μA	V <sub>EB</sub> =7V
DC current transfer ratio	h <sub>FE</sub>	120	-	560	-	V <sub>CE</sub> =6V, I <sub>c</sub> =1mA
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	-	-	0.4	V	I <sub>c</sub> /I <sub>B</sub> =50mA/5mA
Transition frequency	f <sub>T</sub>	-	180	-	MHz	V <sub>CE</sub> =12V, I <sub>E</sub> =-2mA, f=100MHz
Output capacitance	C <sub>ob</sub>	-	2	3.5	pF	V <sub>CE</sub> =12V, I <sub>E</sub> =0A, f=1MHz

h<sub>FE</sub> values are classified as follows :

Item	Q	R	S
h <sub>FE</sub>	120~270	180~390	270~560