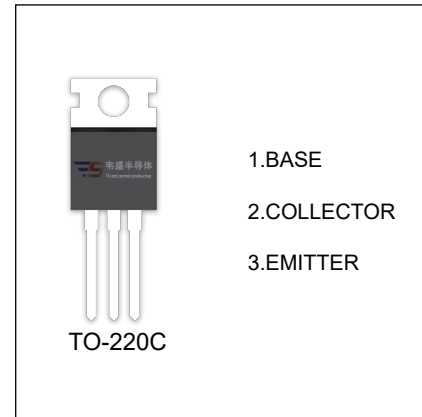


## MJE2955 TRANSISTOR (PNP)

### FEATURES

- General Purpose and Switching Applications



### MAXIMUM RATINGS (T<sub>a</sub>=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V <sub>CBO</sub>	Collector-Base Voltage	-70	V
V <sub>CEO</sub>	Collector-Emitter Voltage	-60	V
V <sub>EBO</sub>	Emitter-Base Voltage	-5	V
I <sub>C</sub>	Collector Current -Continuous	-10	A
P <sub>C</sub>	Collector Power Dissipation	2	W
T <sub>j</sub> , T <sub>stg</sub>	Operation Junction and Storage Temperature Range	-55-150	°C

### ELECTRICAL CHARACTERISTICS(T<sub>a</sub>=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V <sub>(BR)CBO</sub>	I <sub>C</sub> =-10mA, I <sub>E</sub> =0	-70			V
Collector-emitter breakdown voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> =-200mA, I <sub>B</sub> =0	-60			V
Emitter-base breakdown voltage	V <sub>(BR)EBO</sub>	I <sub>E</sub> =-10mA, I <sub>C</sub> =0	-5			V
Collector cut-off current	I <sub>CBO</sub>	V <sub>CB</sub> =-70V, I <sub>E</sub> =0			-1	mA
Emitter cut-off current	I <sub>EBO</sub>	V <sub>EB</sub> =-5V, I <sub>C</sub> =0			-5	mA
DC current gain	h <sub>FE(1)</sub> *	V <sub>CE</sub> =-4V, I <sub>C</sub> =-4A	20		100	
	h <sub>FE(2)</sub> *	V <sub>CE</sub> =-4V, I <sub>C</sub> =-10A	5			
Collector-emitter saturation voltage	V <sub>CE(sat)</sub> *	I <sub>C</sub> =-4A, I <sub>B</sub> =-0.4A			-1.1	V
	V <sub>CE(sat)</sub> *	I <sub>C</sub> =-10A, I <sub>B</sub> =-3.3A			-8	V
Base-emitter voltage	V <sub>BE</sub> *	V <sub>CE</sub> =-4V, I <sub>C</sub> =-4A			-1.8	V
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> =-10V, I <sub>C</sub> =-0.5A	2			MHz

Note:\*Pulse test: t<sub>p</sub>≤300μS, δ≤0.02.

**Static Characteristic**

