

## HC1818 @ D UghjW9 bWUdgi `UhY`Hf Ubg]ghc fg`

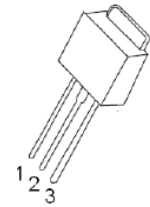
**A>8' \$) )** TRANSISTOR (NPN)

**: 95HI F9G`**

- Designed for General Purpose Amplifier and Low Speed Switching Applications`
- Electrically Similar to MJE3055`
- DC Current Gain Specified to 10A`

**HC1818 @**

- 1.BASE
- 2.COLLECTOR
- 3.EMITTER



**A5 L=AI A`F5HB; G`fHu1 &) `C`i b`Ygg`cH Yfk JgY`bcHfXk`**

Grna Vc`	DUFUa YHf`	JU i Y`	I b]h`
J76c`	Collector-Base Voltage	70	V
J79c`	Collector-Emitter Voltage	60	V
J96c`	Emitter-Base Voltage	5	V
⇒`	Collector Current -Continuous	10	A
D7`	Collector Power Dissipation	1.25	W
Hj`	Junction Temperature	150	°C
Hgh`	Storage Temperature	-55-150	°C

**9 @7 HF=75 @ `7 <5 F5 7 H9F -GH7 G`fHu1 &) `C`i b`Ygg`cH Yfk JgY`gdYVjZYXk`**

DUFUa YHf`	Grna Vc`	HYgh` WcbX]hcbg`	A]b`	Hmf`	AU`	I b]h`
7c`YWfcf!VUgYVfYU_Xck b`j`c`Hj`Y`	V <sub>(BR)CBO</sub>	I <sub>C</sub> =1mA, I <sub>E</sub> =0	70			V
7c`YWfcf!Ya ]HfY`VfYU_Xck b`j`c`Hj`Y`	V <sub>(BR)CEO</sub>	I <sub>C</sub> =200 mA, I <sub>B</sub> =0	60			V
9a ]HfY`!VUgYVfYU_Xck b`j`c`Hj`Y`	V <sub>(BR)EBO</sub>	I <sub>E</sub> =1mA, I <sub>C</sub> =0	5			V
7c`YWfcf`W HcZW ffYbh`	I <sub>CBO</sub>	V <sub>CB</sub> =70V, I <sub>E</sub> =0			0.02	mA
	I <sub>CEO</sub>	V <sub>CB</sub> =30V, I <sub>B</sub> =0			50	µA
9a ]HfY`W HcZW ffYbh`	I <sub>EBO</sub>	V <sub>EB</sub> =5V, I <sub>C</sub> =0			0.5	mA
87`W ffYbh[ U]b`	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			
7c`YWfcf!Ya ]HfY`gUhfU]cb`j`c`Hj`Y`	V <sub>CE(sat)(1)</sub>	I <sub>C</sub> =4A, I <sub>B</sub> =0.4A			1.1	V
	V <sub>CE(sat)(2)</sub>	I <sub>C</sub> =10A, I <sub>B</sub> =3.3A			8	V
6UgY!Ya ]HfY`j`c`Hj`Y`	V <sub>BE</sub>	V <sub>CE</sub> =4V, I <sub>C</sub> =4A			1.8	V
HfUbg]hcb`Z`YeI`YbWni`	f <sub>T</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =0.5A, f=500KHz	2			MHz

### Static Characteristic

