

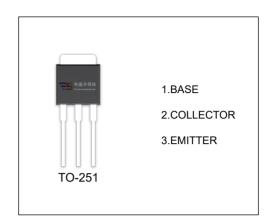
2SC4003 TRANSISTOR (NPN)

FEATURES

- High h_{FE}
- Low V_{CE(sat)}

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	400	V
V _{CEO}	Collector-Emitter Voltage	400	V
V _{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current -Continuous	0.2	А
Pc	Collector Power Dissipation	1	W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range		°C



ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Symbol	Test condi tions	Min	Тур	Max	Unit	
V _{(BR)CBO}	I _C =10μA,I _E =0	400			V	
V _{(BR)CEO}	I _C =1mA,I _B =0	400			V	
V _{(BR)EBO}	I _E =10μA,I _C =0	5			V	
I _{CBO}	V _{CB} =300V,I _E =0			0.1	μΑ	
I _{EBO}	V _{EB} =4V,I _C =0			0.1	μΑ	
h _{FE}	V _{CE} =10V,I _C =50mA	60		200		
V _{CE(sat)}	I _C =50mA,I _B =5mA			0.6	V	
V _{BE(sat)}	I _C =50mA,I _B =5mA			1	V	
f _T	V _{CE} =30V,I _C =10mA		70		MHz	
	V _{(BR)CBO} V _{(BR)CEO} V _{(BR)EBO} I _{CBO} I _{EBO} h _{FE} V _{CE(sat)} V _{BE(sat)}	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

CLASSIFICATION OF hFE

Rank	D	E
Range	60-120	100-200