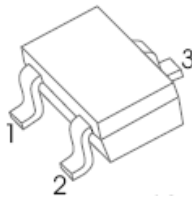


TRANSISTOR(NPN)	SOT-323 Plastic Encapsulate Transistors
<p>SOT-323</p>  <p>1. BASE 2. EMITTER 3. COLLECTOR</p> <p>MARKING:K4N</p>	<p>Features</p> <ul style="list-style-type: none"> ● Complementary to MMST5401 ● Small Surface Mount Package ● Ideal for Medium Power Amplification and Switching

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

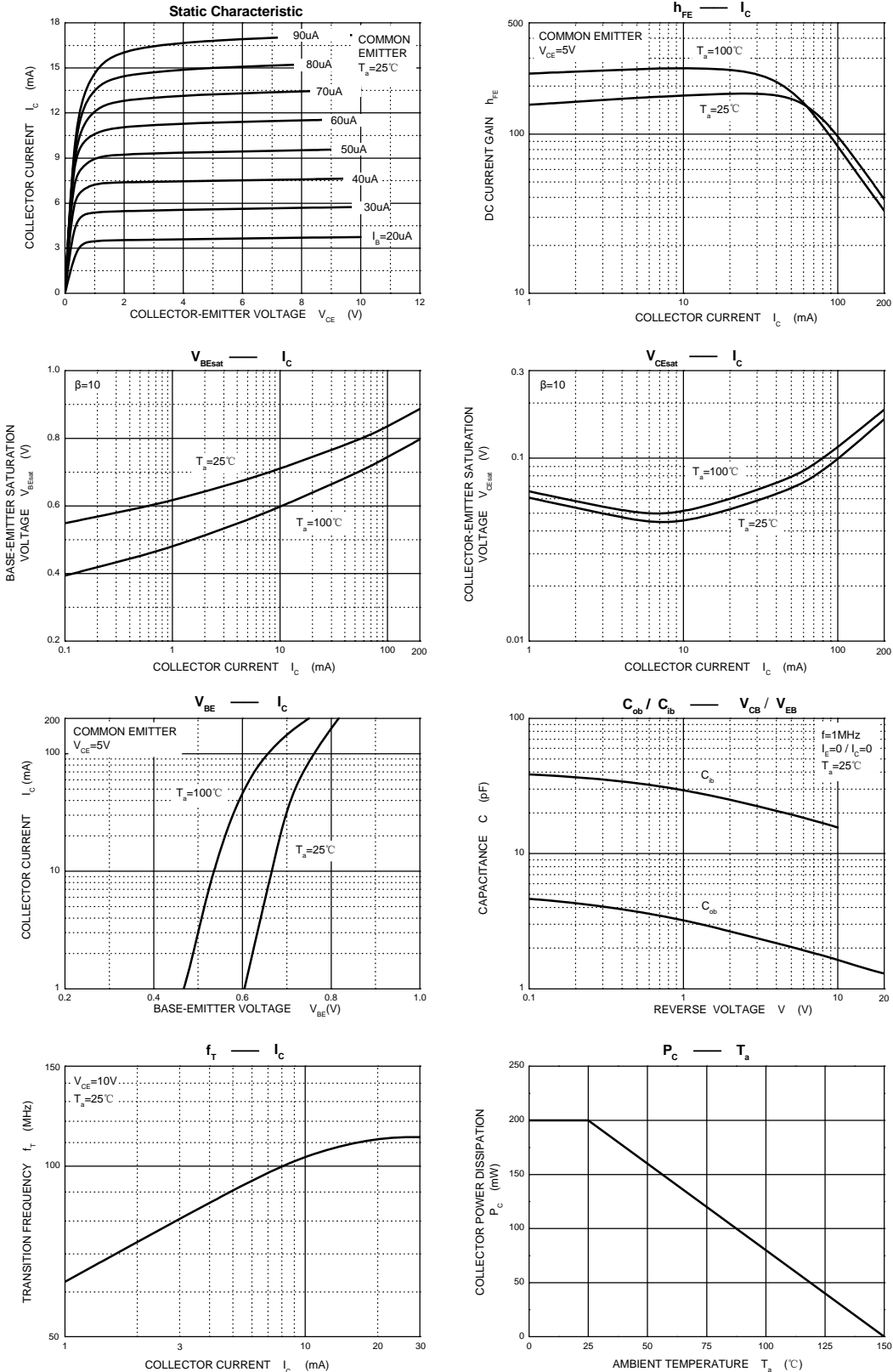
Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage	180	V
V _{CEO}	Collector-Emitter Voltage	160	V
V _{EBO}	Emitter-Base Voltage	6	V
I _C	Collector Current	600	mA
P _C	Collector Power Dissipation	200	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	625	°C/W
T _J , T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =100μA, I _E =0	180			V
Collector-emitter breakdown voltage	V _{(BR)CEO} *	I _C =1mA, I _B =0	160			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =10μA, I _C =0	6			V
Collector cut-off current	I _{CBO}	V _{CB} =120V, I _E =0			50	nA
Emitter cut-off current	I _{EBO}	V _{EB} =4V, I _C =0			50	nA
DC current gain	h _{FE}	V _{CE} =5V, I _C =1mA	80			
		V _{CE} =5V, I _C =10mA	100		300	
		V _{CE} =5V, I _C =50mA	30			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =50mA, I _B =5mA			0.2	V
		I _C =10mA, I _B =1mA			0.15	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =50mA, I _B =5mA			1	V
		I _C =10mA, I _B =1mA			1	V
Transition frequency	f _T	V _{CE} =10V, I _C =10mA, f=100MHz	100		300	MHz
Collector output capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz			6	pF

*Pulse test: pulse width ≤300μs, duty cycles ≤ 2.0%.

Typical Characteristics



单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)