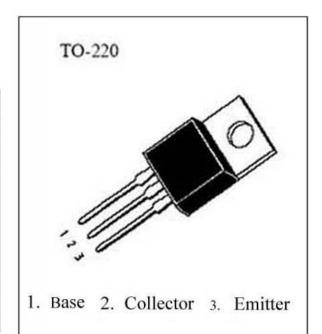
TO-220 Plastic-Encapsulate Transistors

D304X TRANSISTOR[NPN]

ABSOLUTE MAXIMUM RATINGS (Ta=25℃)

Characteristic	Symbol	Value	Unit
Collector-Base Voltage	VCBO	700	V
Collector-Emitter Voltage	VCEO	400	V
Emitter-Base voltage	VEBO	9	V
Collector Current	Ic	10	A
Collector Power Dissipation	Pc	80	W
Junction Temperature	Tj	150	$^{\circ}$
Storage Temperature	Tstg	-55~+150	$^{\circ}$ C



ELECTRICAL CHARACTERISTICS

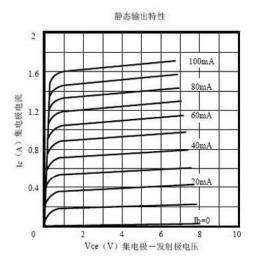
(Ta=25°C, unless otherwise specified)

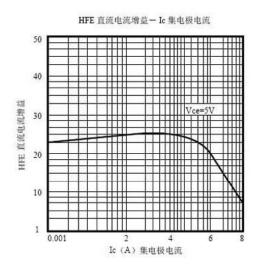
Characteristic	Symbol	Test conditions	MIN	TYP	MAX	Unit
Collector -base breakdown voltage	V(BR)CBO	Ic=1000μA ,IE=0	700			v
*Collector -emitter Sustaining Voltage	V(BR)CEO	Ic=10mA ,IB=0	400			V
Emitter cut-off current	Ієво	VEB= 9 V, IC=0			1000	μА
DC current gain	HFE (1) HFE (2)	VCE=2V,IC=0.5A 8 VCE=10V,IC=0.5m A 5			40	
Collector -emitter saturation voltage	VCE(sat)	IC=1000m A ,IB= 250 m A			1	v
Base-emitter saturation voltage	VBE(sat)	IC=1000m A, IB= 250m A			1.2	v
Base Emitter Voltage	VBE(ON)	IE= 2000 m A			3	V
Current Gain Bandwidth Product	fr	VCE=10V,Ic=100mA f=1MHz 5				MHZ
Turn On Time	Ton					μs
Storage Time	ts	Ic=1A,IB1=IB2=0.2A VCC=100V			0.5	μs
Fall Time	tf	Control of the Contro			0.5	μs

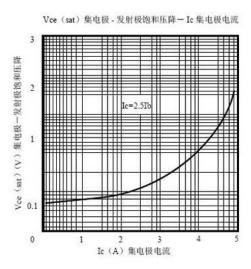
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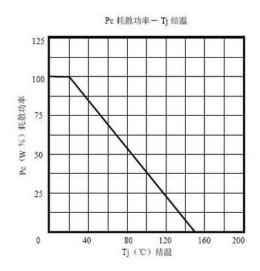
Typical Characteristics

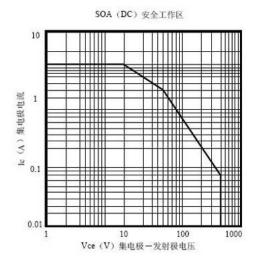
D304X









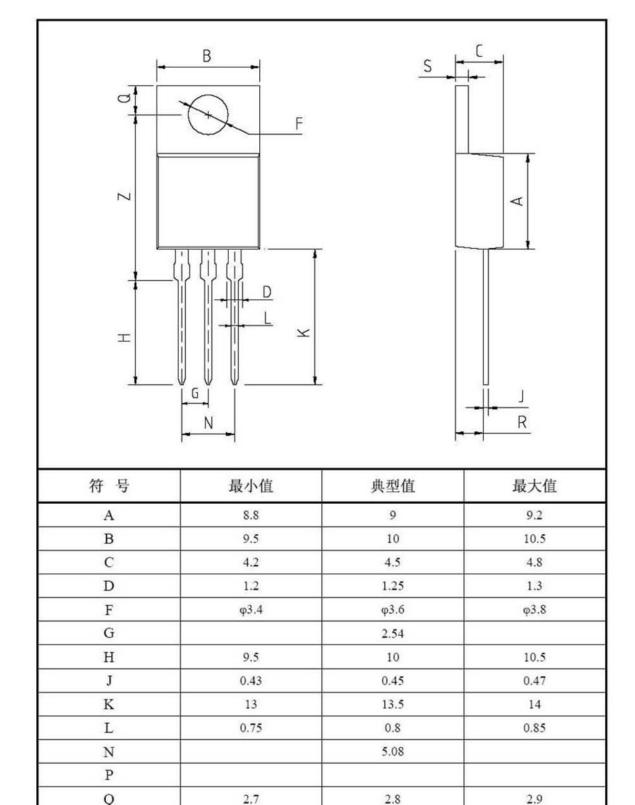


ATE 先進科技電子有限公司 Advanced Technology Electronics CO., LTD.

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TO - 220 外形尺寸图

单位: mm



2.7

1.2

15.7

Q

R

S

Z

2.8

2.75

1.25

15.9

2.8

1.3

16.1