/ Absolute Maximum Ratings(Ta=25)

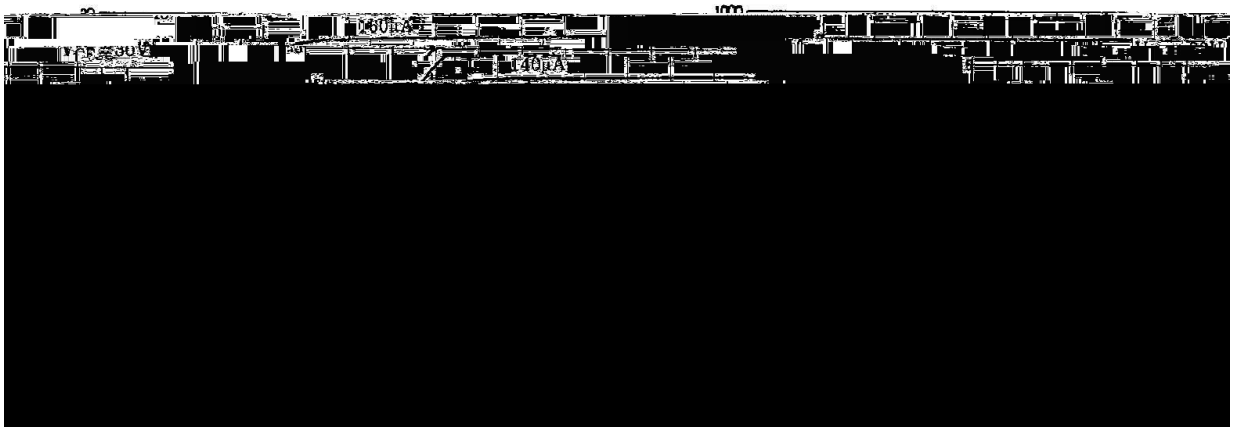
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	200	V
Collector to Emitter Voltage	V_{CEO}	200	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	100	mA
Collector Current – Continuous(Pulse)	I_{CP}	200	mA
Collector Power Dissipation	P_C	1.2	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

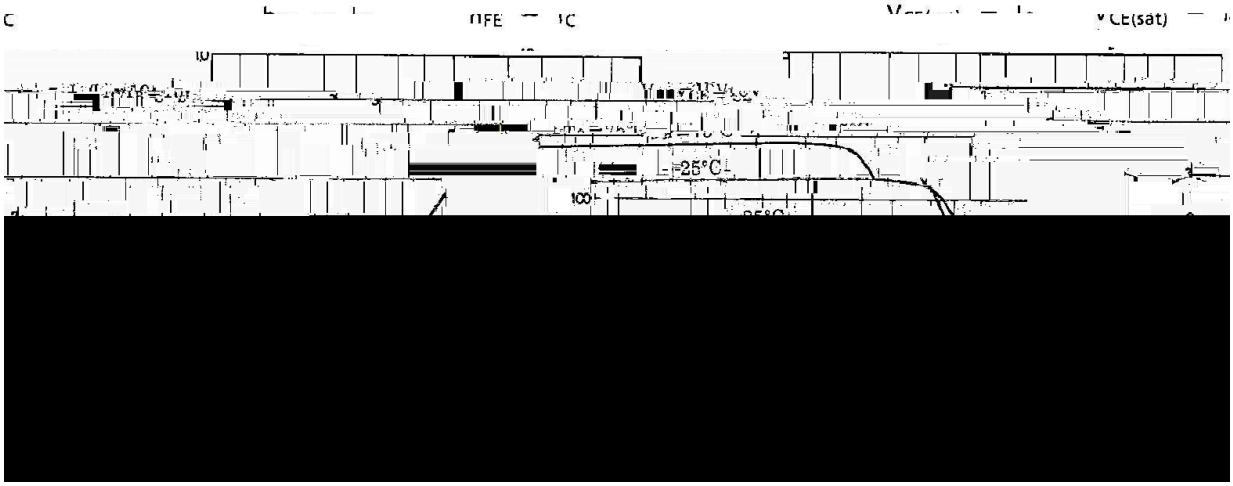
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=10μA I_E=0	200			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA R_{BE}=∞	200			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=10μA I_C=0	5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=150V I_E=0			0.1	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=4.0V I_C=0			0.1	μA
DC Current Gain	h_{FE}	V_{CE}=10V I_C=10mA	40		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=20mA I_B=2.0mA			0.6	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	I_C=20mA I_B=2.0mA			1.0	V
Transition Frequency	f_T	V_{CE}=30V I_C=10mA		150		MHz
Collector output capacitance	C_{ob}	V_{CB}=30V f=1.0MHz		2.6		pF
Reverse Transfer Capacitance	C_{re}	V_{CB}=30V f=1.0MHz		1.7		pF

/ Electrical Characteristic Curve

I_C – V_{CE}



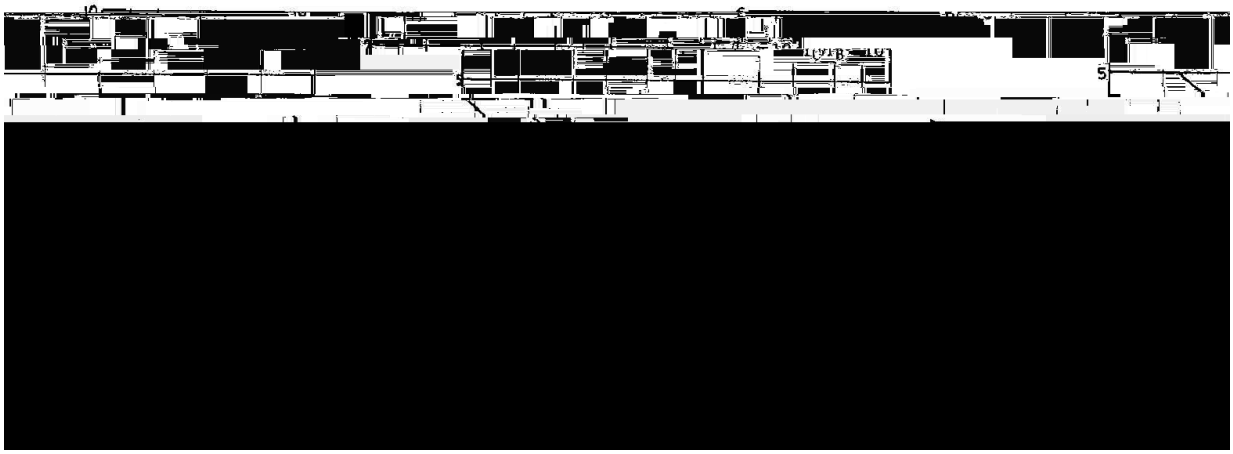
f_T – I_C



h_{FE} – I_C

$V_{CE(sat)}$ – I_C

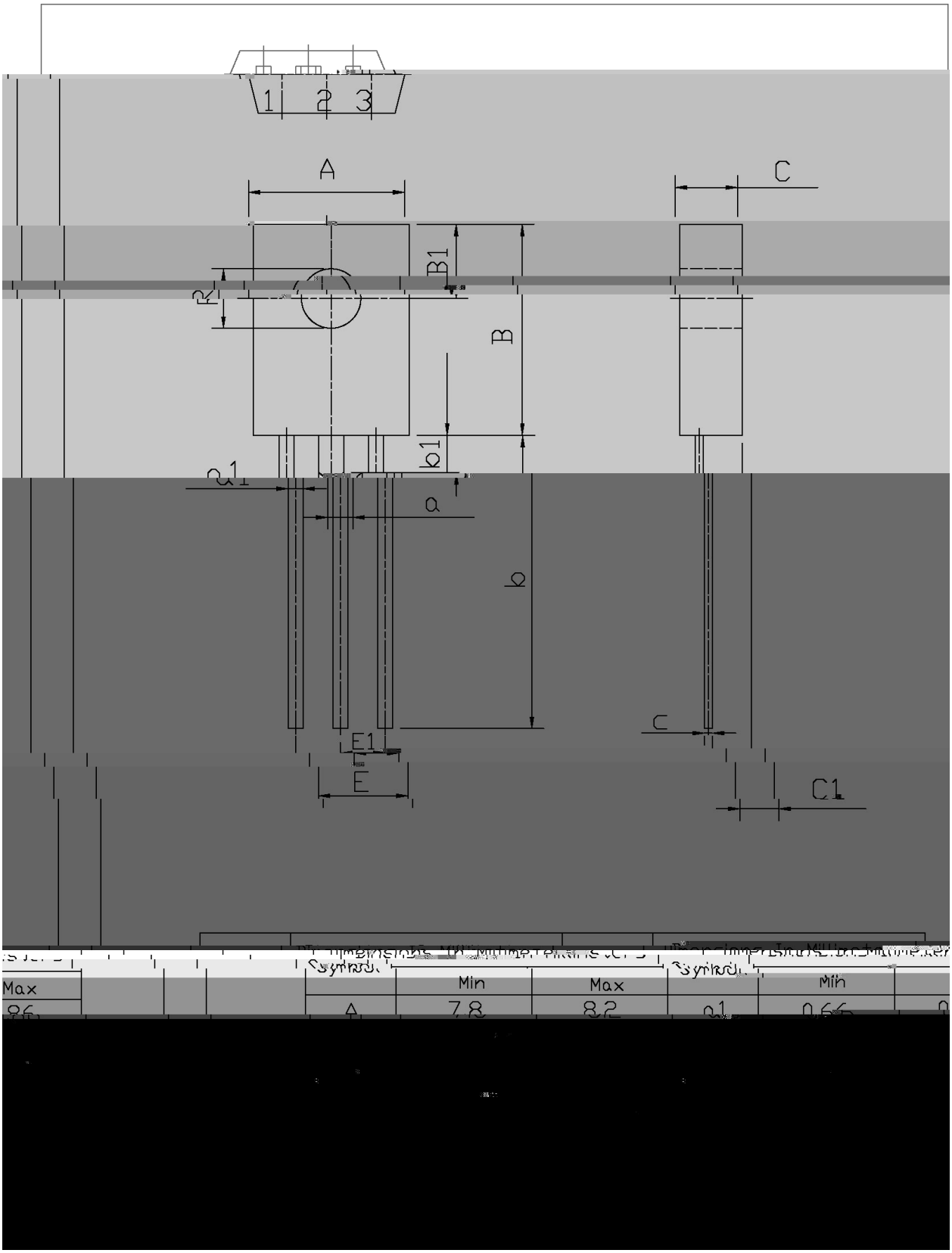
$V_{BE(sat)}$ – I_C



P_C – T_C

/ Package Dimensions

TO-126T 单位：mm



Symbol	Min	Max	Symbol	Min	Max
A	7.8	8.2	a1	0.66	