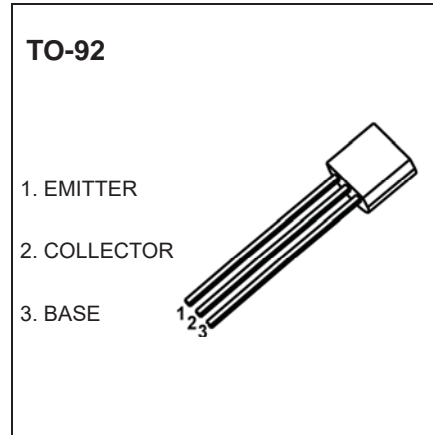


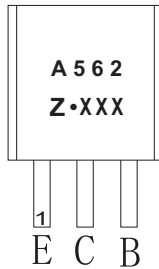
2SA562 TRANSISTOR (PNP)

FEATURES

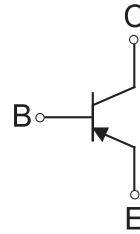
- Excellent h_{FE} Linearity



MARKING



Equivalent Circuit



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SA562	TO-92	Bulk	1000pcs/Bag
2SA562-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-35	V
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current -Continuous	-500	mA
P_C	Collector Power Dissipation	500	mW
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	$^{\circ}\text{C}$

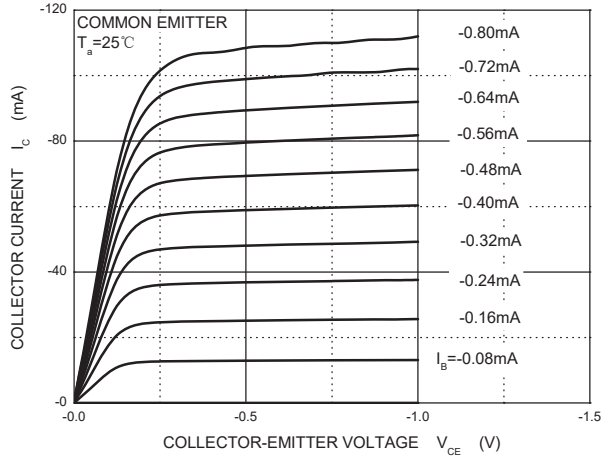
$T_a=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V(\text{BR})_{\text{CBO}}$	$I_{\text{C}}=-100\mu\text{A}, I_{\text{E}}=0$	-35			V
Collector-emitter breakdown voltage	$V(\text{BR})_{\text{CEO}}$	$I_{\text{C}}=-1\text{mA}, I_{\text{B}}=0\sim 30$				V
Emitter-base breakdown voltage	$V(\text{BR})_{\text{EBO}}$	$I_{\text{E}}=-100\mu\text{A}, I_{\text{C}}=0$	-5			V
Collector cut-off current	I_{CBO}	$V_{\text{CB}}=35\text{V}, I_{\text{E}}=0$			-0.1	μA
Emitter cut-off current	I_{EBO}	$V_{\text{EB}}=-5\text{V}, I_{\text{C}}=0$			-0.1	μA
DC current gain	h_{FE}	$V_{\text{CE}}=-1\text{V}, I_{\text{C}}=-100\text{mA}$	70		240	
Collector-emitter saturation voltage	$V_{\text{CE}(\text{SAT})}$	$I_{\text{C}}=-100\text{mA}, I_{\text{B}}=-10\text{mA}$			-0.25	V
Base-emitter voltage	V_{BE}	$V_{\text{CE}}=-1\text{V}, I_{\text{C}}=-100\text{mA}$			-1	V
Transition frequency	f_{T}	$V_{\text{CE}}=-6\text{V}, I_{\text{C}}=-20\text{mA}$		200		MHz
Collector output capacitance	C_{ob}	$V_{\text{CE}}=-6\text{V}, I_{\text{E}}=0, f=1\text{MHz}$	13			pF

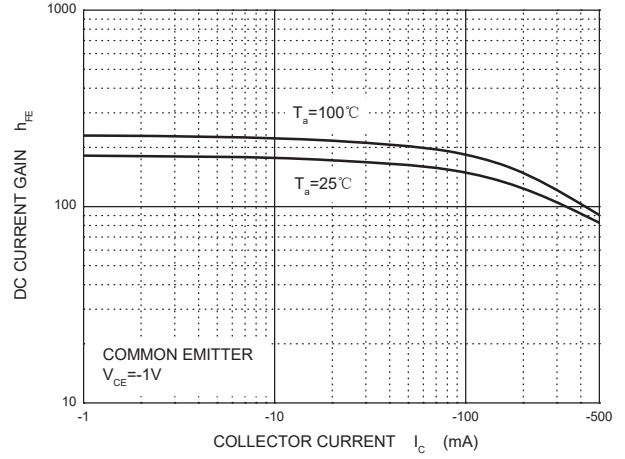
CLASSIFICATION OF h_{FE}

RANK	O	Y
RANGE	70-140	120-240

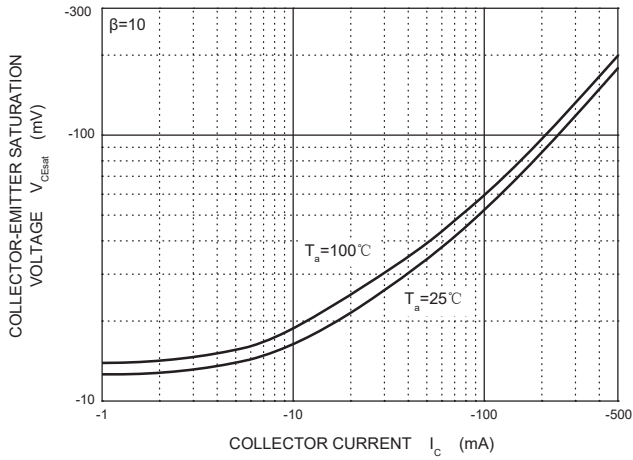
Static Characteristic



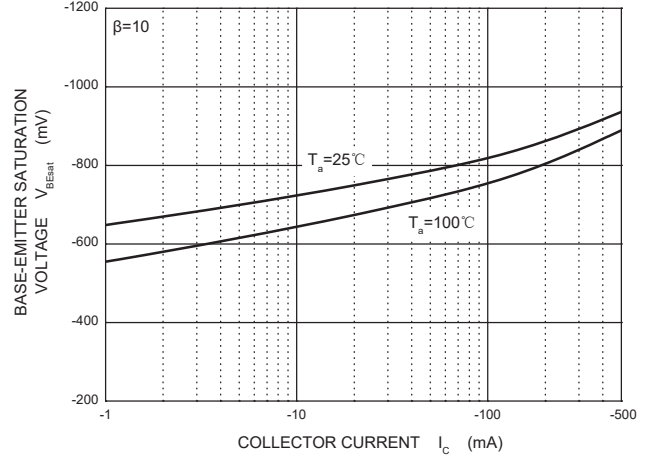
h_{FE} — I_C



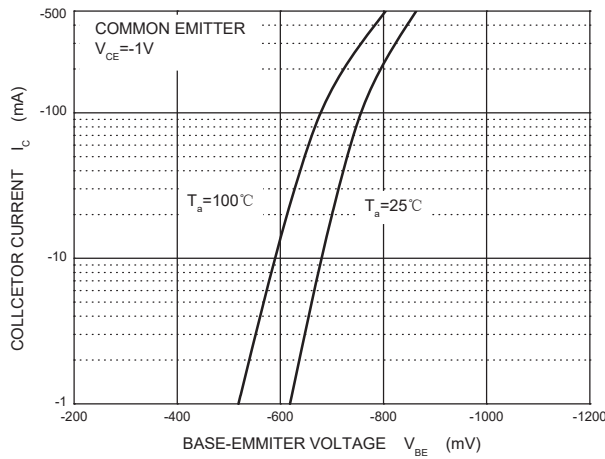
V_{CEsat} — I_C



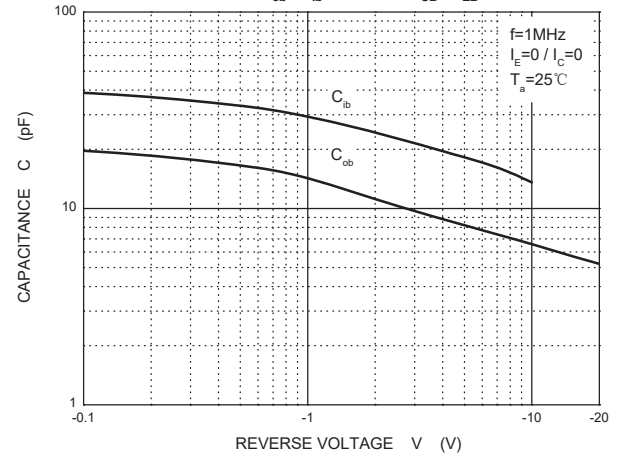
V_{BEsat} — I_C



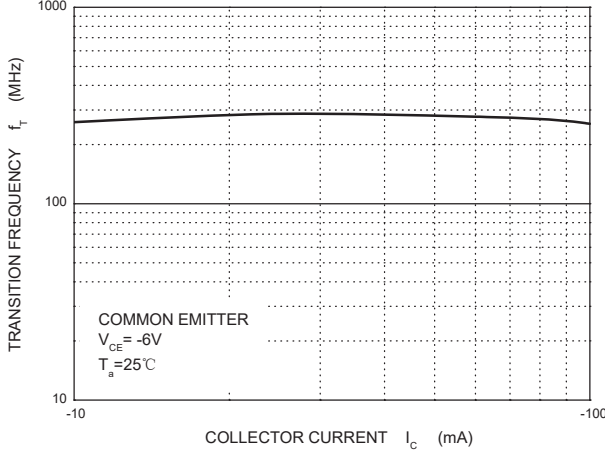
I_C — V_{BE}



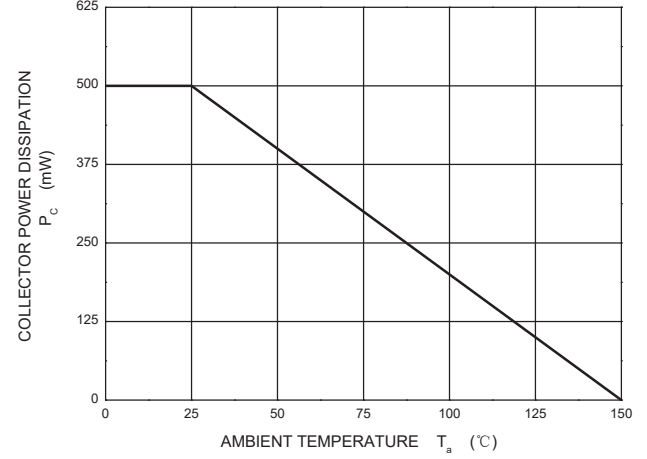
C_{ob}/C_{ib} — V_{CB}/V_{EB}

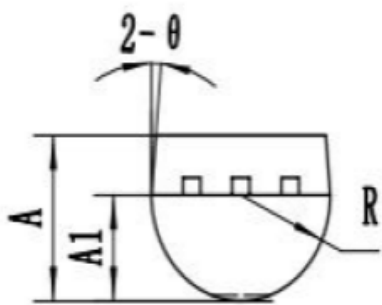
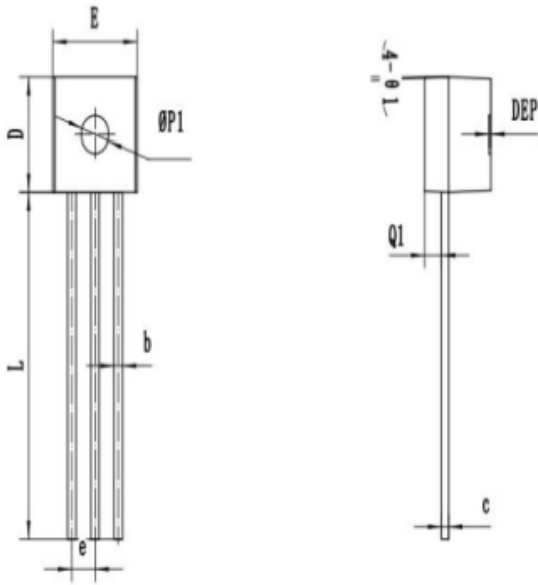


f_T — I_C



P_C — T_a





SYMBOL	MM		
	MIN	NOM	MAX
*A	3.00	3.25	3.50
A1	2.20	2.30	2.40
*b	0.40	0.45	0.50
*c	0.25	0.30	0.35
*D	4.50	4.60	4.70
*E	4.50	4.60	4.70
*e	1.22	1.27	1.32
*L	14.00	14.30	14.60
R	2.20	2.30	2.40
Q1	0.85	0.90	0.95
θ	3°	5°	7°
Ø1	1°	3°	5°
ØP1	1.40	1.50	1.60
DEP	0.05	0.10	0.20
带*为检验尺寸			