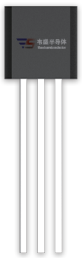
2SA562 TRANSISTOR (PNP)



1.EMITTER
2.COLLECTOR
3.BASE

TO-92

FEATURES

- **Excellent h_{FE} Linearlity**

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℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-35	6
V_{CEO}	Collector-Emitter Voltage	-30	6
V_{EBO}	Emitter-Base Voltage	-5	6
I_C	Collector Current -Continuous	-500	MA
P_C	Collector Power Dissipation	500	M7
T_J,T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

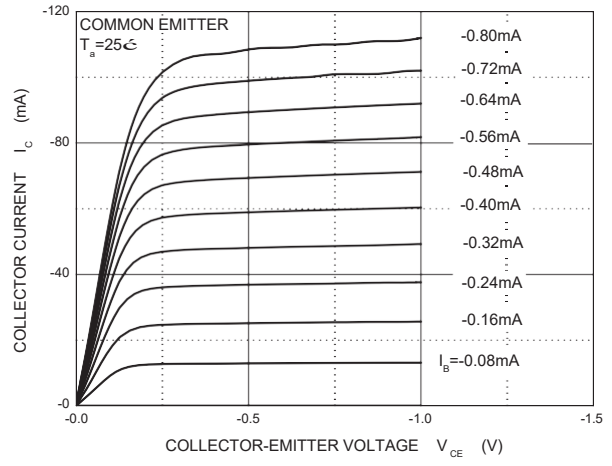
T_a=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V(BR)_{CBO}$	Ic=-100μA, IE=0	-35			6
Collector-emitter breakdown voltage	$V(BR)_{CEO}$	Ic=-1mA, IB=0~30				6
Emitter-base breakdown voltage	$V(BR)_{EBO}$	I_E=-100μA, I_C=0	-5			6
Collector cut-off current	I_{CBO}	V_{CB}=35V, I_E=0			-0.1	☒A
Emitter cut-off current	I_{EBO}	V_{EB}=-5V, I_C=0			-0.1	☒A
DC current gain	h_{FE}	V_{CE}=-1V, I_C=-100mA	70		240	
Collector-emitter saturation voltage	$V_{CE(SAT)}$	Ic=-100mA, I_B=-10mA			-0.25	6
Base-emitter voltage	V_{BE}	V_{CE}=-1V, I_C=-100mA			-1	6
Transition frequency	f_T	V_{CE}=-6V, I_C=-20mA		200		M(Z
Collector output capacitance	C_{ob}	V_{CE}=-6V, I_E=0,f=1MHz	13			pF

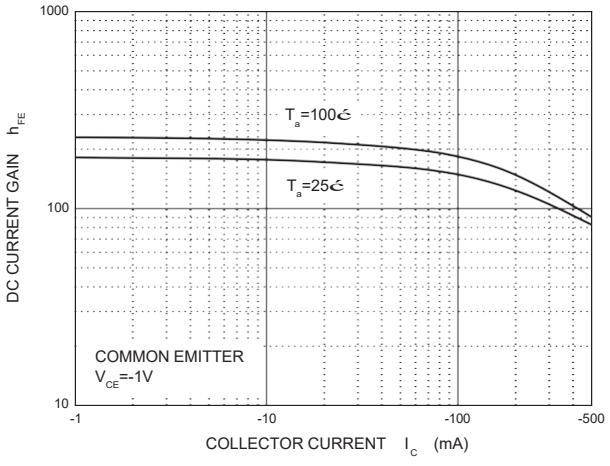
CLASSIFICATION OF h_{FE}

RANK	O	Y
RANGE	70-140	120-240

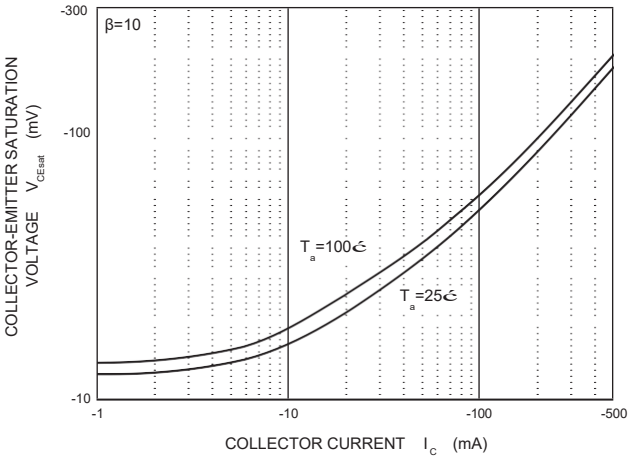
Static Characteristic



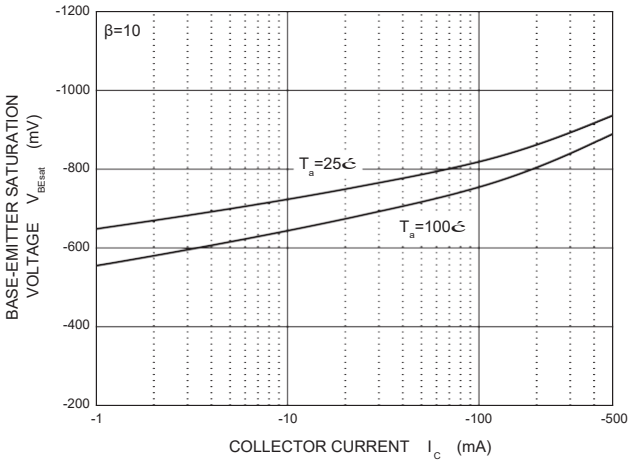
h_{FE} — I_C



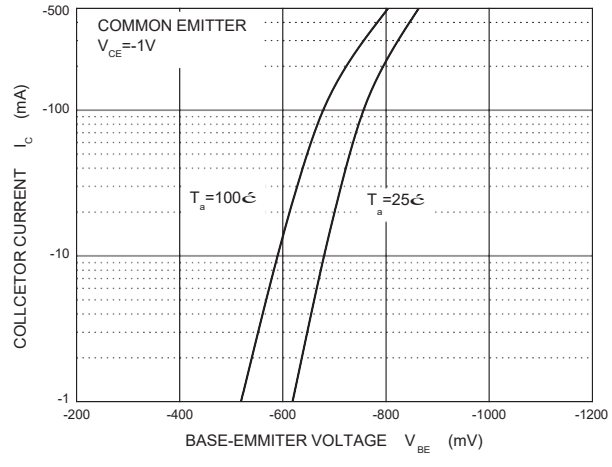
V_{CEsat} — I_C



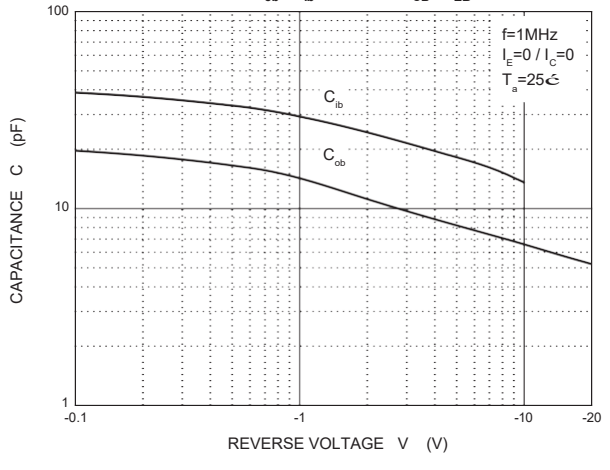
V_{BEsat} — I_C



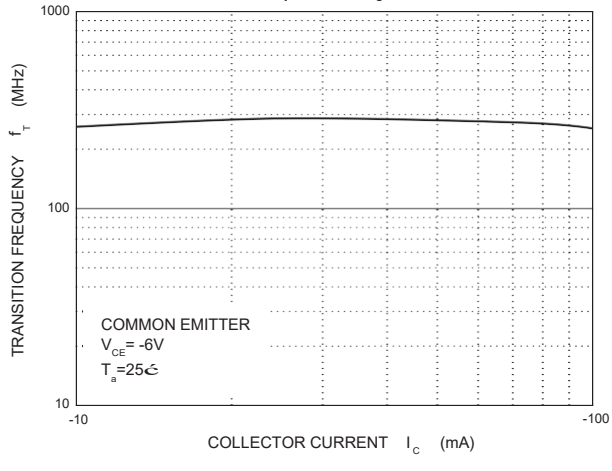
I_C — V_{BE}



C_{ob} / C_{ib} — V_{CB} / V_{EB}



f_T — I_C



P_C — T_a