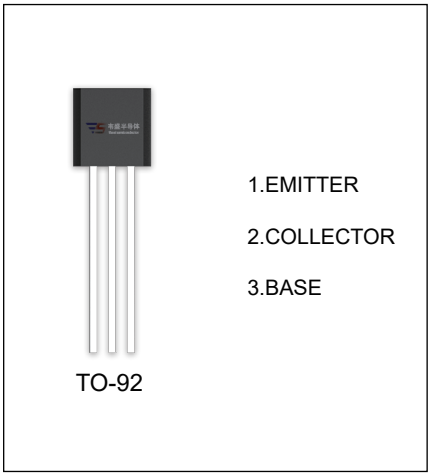
BC327/BC328 TRANSISTOR (PNP)



FEATURES

- **Power dissipation**

ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
BC327	TO-92	Bulk	1000pcs/Bag
BC327-TA	TO-92	Tape	2000pcs/Box
BC328	TO-92	Bulk	1000pcs/Bag
BC328-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter		Value	Unit
V_{CBO}	Collector-Base Voltage	**BC327** **BC328**	-50 -30	V
V_{CEO}	Collector-Emitter Voltage	**BC327** **BC328**	-45 -25	V
V_{EBO}	Emitter-Base Voltage		-5	V
I_C	Collector Current -Continuous		-800	mA
P_C	Collector Power Dissipation		625	mW
T_J,T_{stg}	Operation Junction and Storage Temperature Range		-55~+150	℃

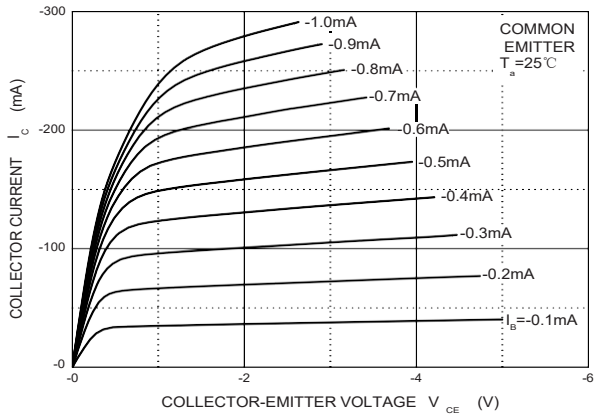
T_a=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage **BC327** **BC328**	V_{CBO}	I_C= -100uA, I_E=0	 -50 -30			V
Collector-emitter breakdown voltage **BC327** **BC328**	V_{CEO}	I_C= -10mA , I_B=0	 -45 -25			V
Emitter-base breakdown voltage	V_{EBO}	I_E= -10uA, I_C=0	-5			V
Collector cut-off current **BC327** **BC328**	I_{CBO}	 V_{CB}= -45 V , I_E=0 V_{CB}= -25V , I_E=0			 -0.1 -0.1	uA
Collector cut-off current **BC327** **BC328**	I_{CEO}	 V_{CE}= -40 V , I_B=0 V_{CE}= -20 V , I_B=0			 -0.2 -0.2	uA
Emitter cut-off current	I_{EBO}	V_{EB}= -4 V , I_C=0			-0.1	uA
DC current gain	$h_{FE(1)}$	V_{CE}=-1 V, I_C= -100mA	100		630	
	$h_{FE(2)}$	V_{CE}=-1 V, I_C= -300mA	40			
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-500mA, I_B= -50mA			-0.7	V
Base-emitter saturation voltage	$V_{BE(sat)}$	I_C= -500mA, I_B=-50mA			-1.2	V
Base-emitter voltage	V_{BE}	V_{CE}=-1 V, I_C= -300mA			-1.2	V
Transition frequency	f_T	V_{CE}= -5V, I_C= -10mA f = 100MHz	260			MHz
Collector Output Capacitance	Cob	V_{CB}=-10V,I_E=0 f=1MHZ		12		pF

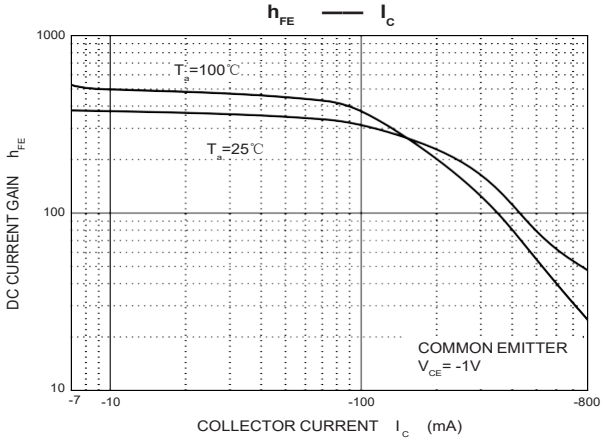
CLASSIFICATION OF h_{FE}

Rank	16	25	40
Range	100-250	160-400	250-630

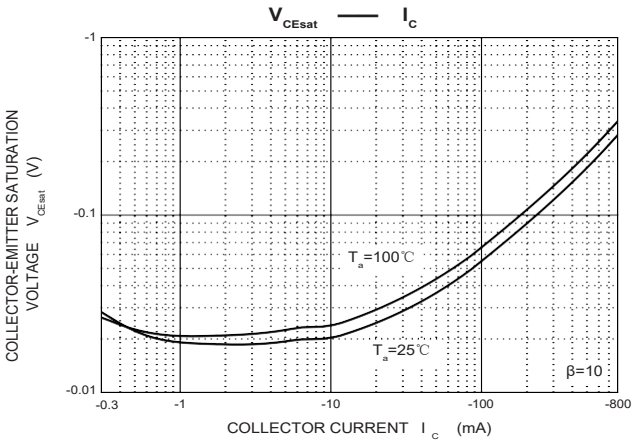
Static Characteristic



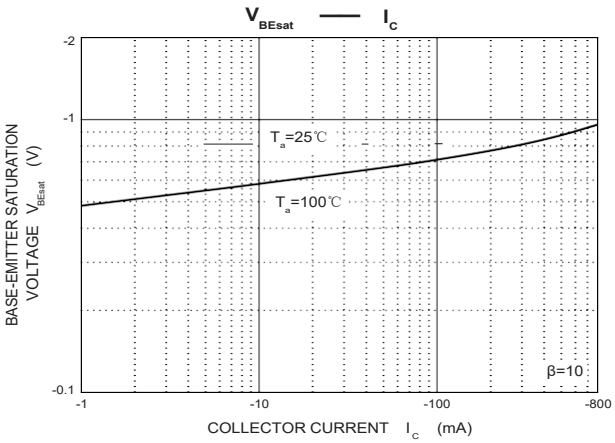
h_{FE} — I_C



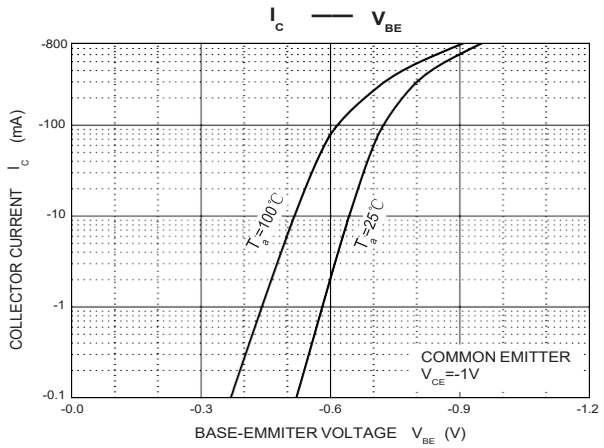
V_{CEsat} — I_C



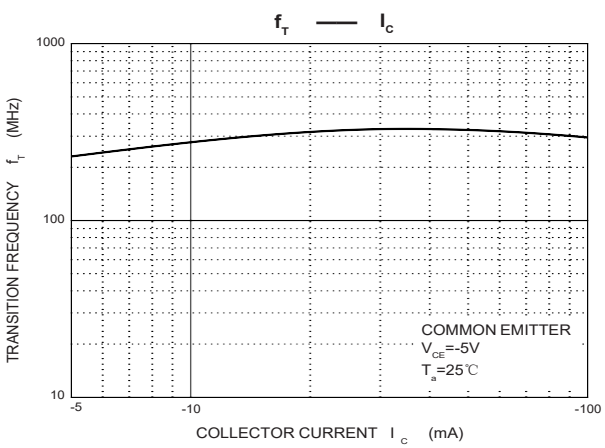
V_{BEsat} — I_C



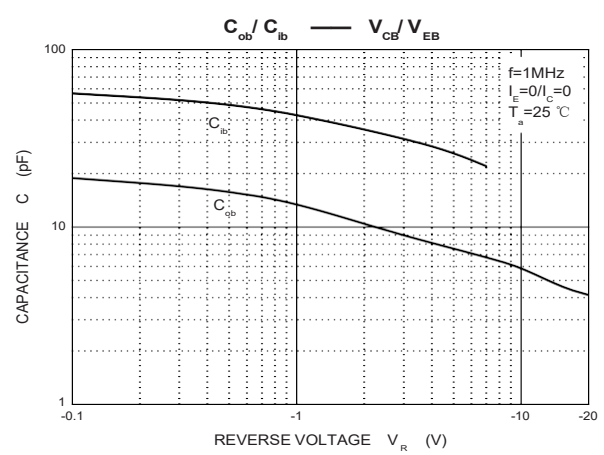
I_C — V_{BE}



f_T — I_C



C_{ob}/ C_{ib} — V_{CB}/ V_{EB}



P_C — T_a