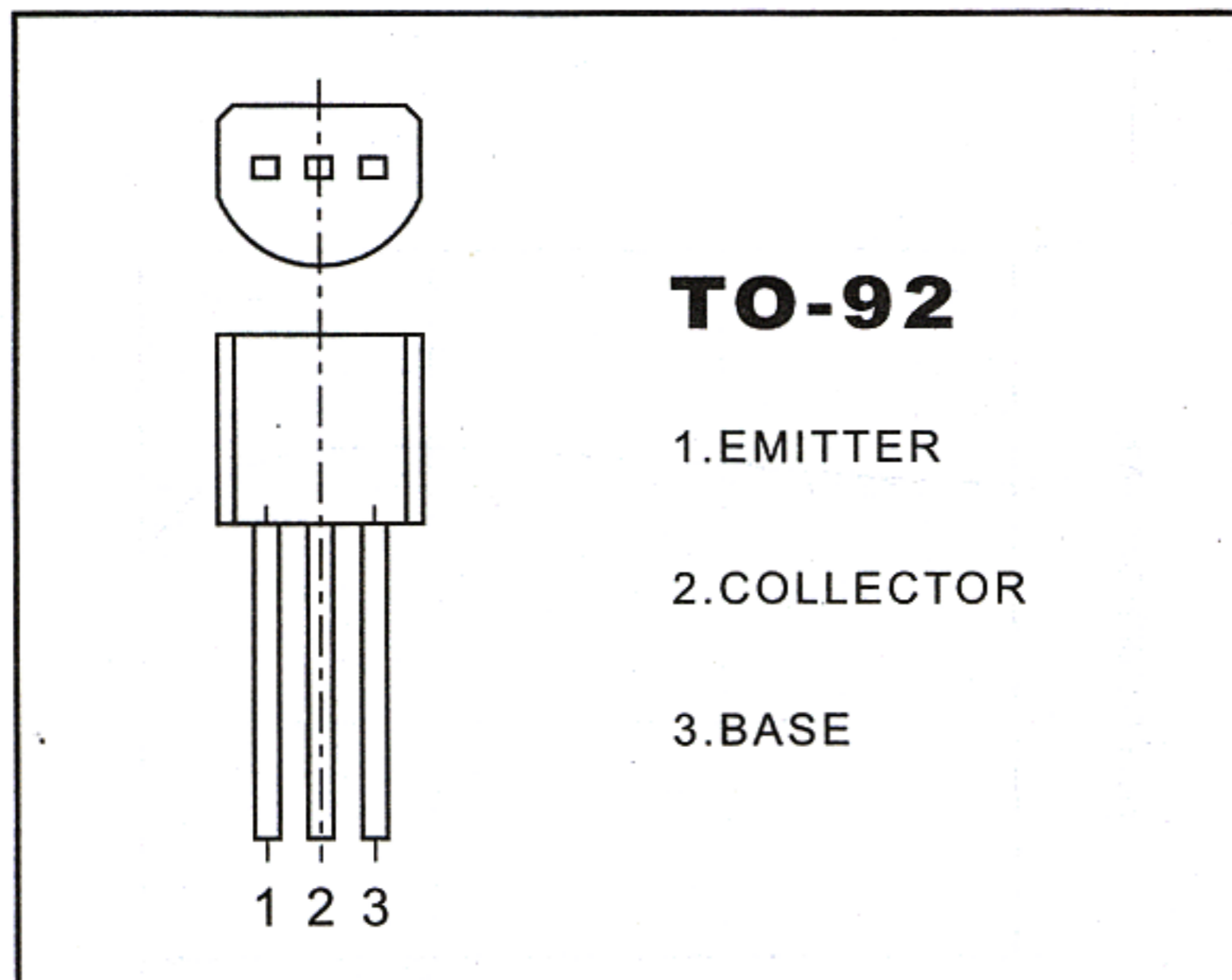


## A733 TRANSISTOR(PNP)



### FEATURES

#### Power dissipation

$P_{CM}$ : 0.25W ( $T_{amb}=25^{\circ}C$ )

#### Collector current

$I_{CM}$ : -0.15A

#### Collector-base voltage

$V_{(BR)CBO}$ : -60 V

#### Operating and storage junction temperature range

$T_{J}, T_{stg}$ :  $-55^{\circ}C$  to  $+150^{\circ}C$

### ELECTRICAL CHARACTERISTICS

( $T_{amb}=25^{\circ}C$  unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -5 \mu A, I_E = 0$	-60			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -1 mA, I_B = 0$	-50			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -50 \mu A, I_C = 0$	-5			V
Collector cut-off current	$I_{CBO}$	$V_{CB} = -60 V, I_E = 0$			-0.1	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -5 V, I_C = 0$			-0.1	$\mu A$
DC current gain	$h_{FE}$	$V_{CE} = -6 V, I_C = -1 mA$	90	200	600	
Collector-emitter saturation voltage	$V_{CEsat}$	$I_C = -100 mA, I_B = -10 mA$		-0.18	-0.3	V
Transition frequency	$f_T$	$V_{CE} = -6 V, I_C = -10 mA$ $f = 30 MHz$	50	180		MHz

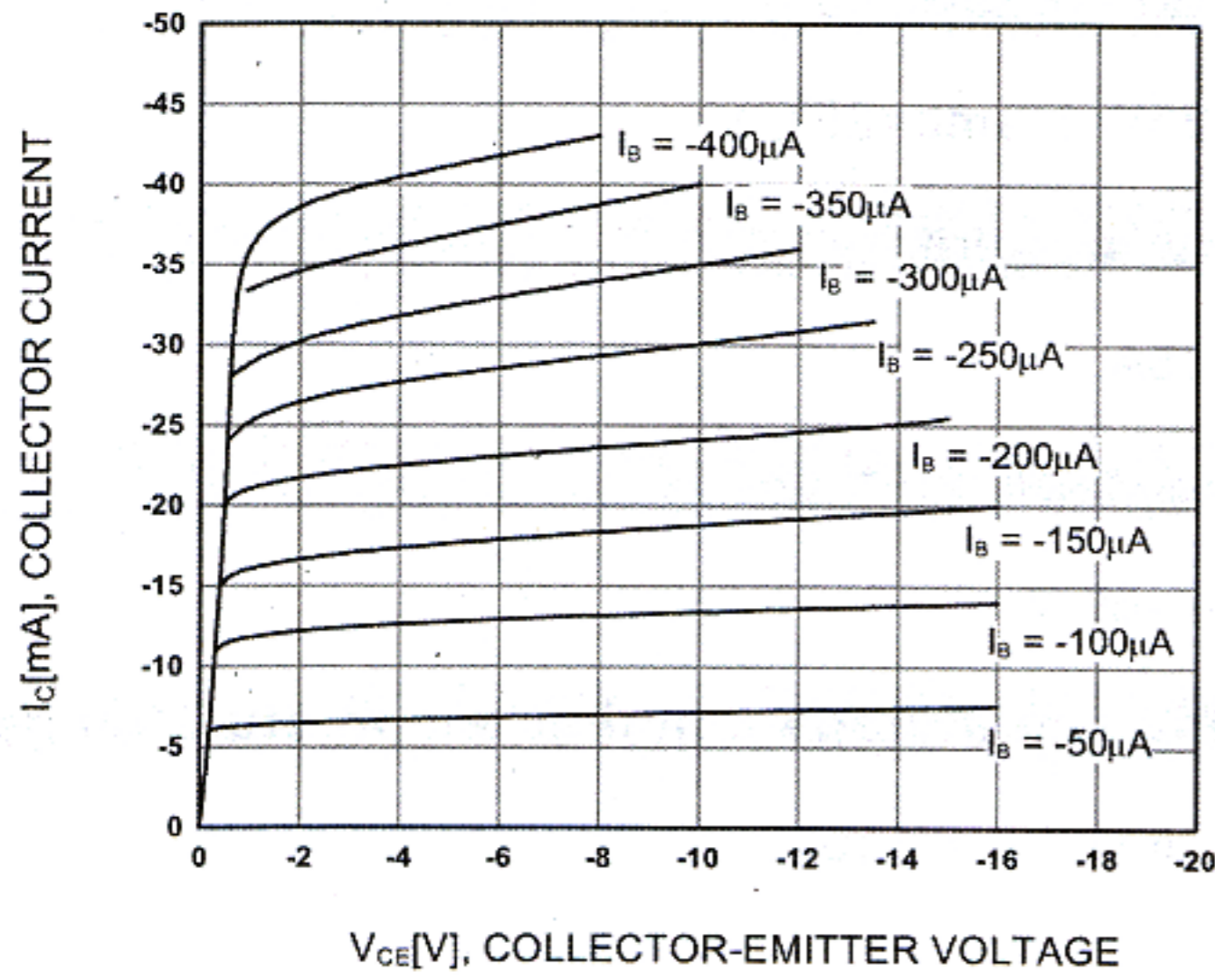
### CLASSIFICATION OF $h_{FE}$

Rank	R	Q	P	K
Range	90-180	135-270	200-400	300-600

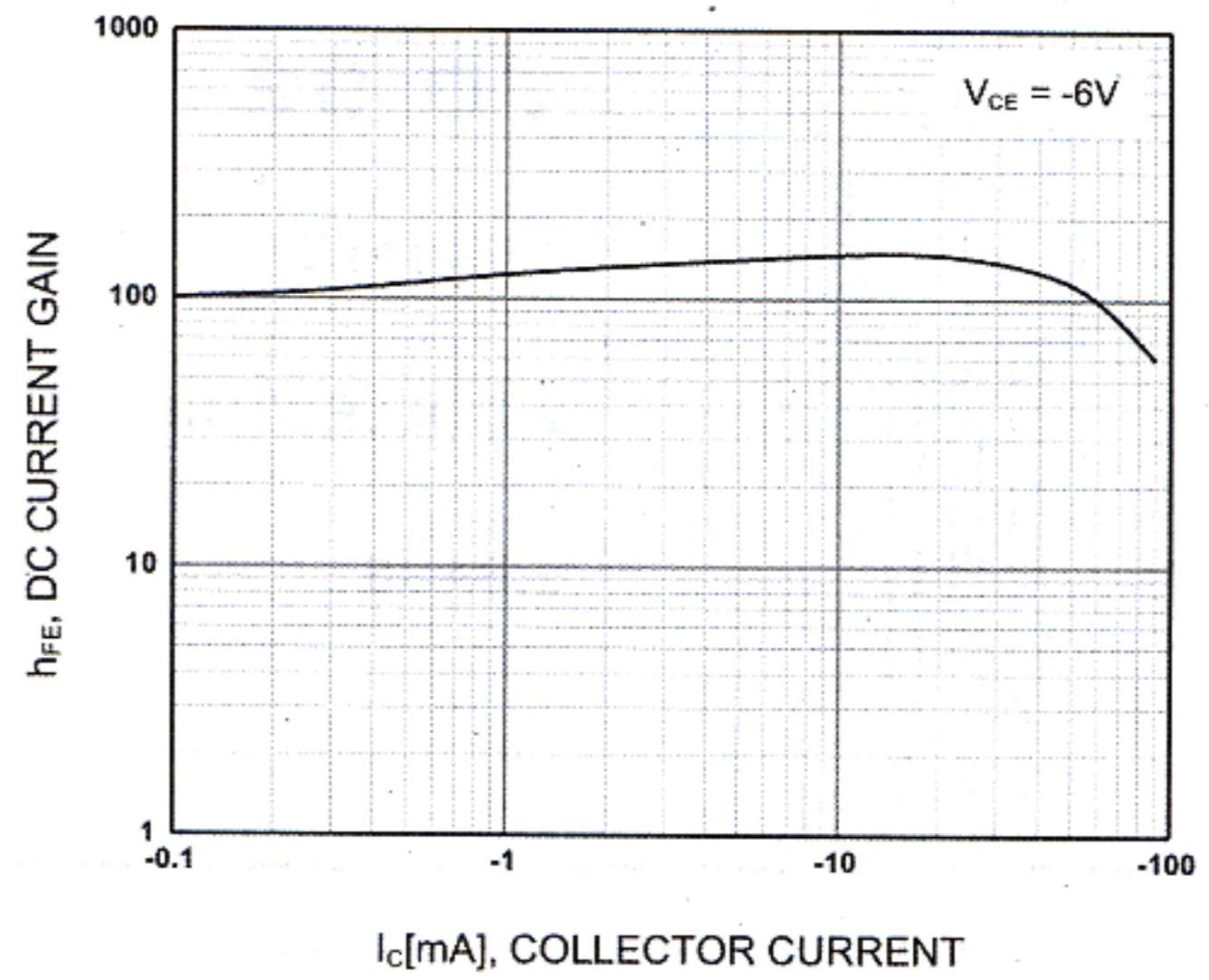


# Typical Characteristics

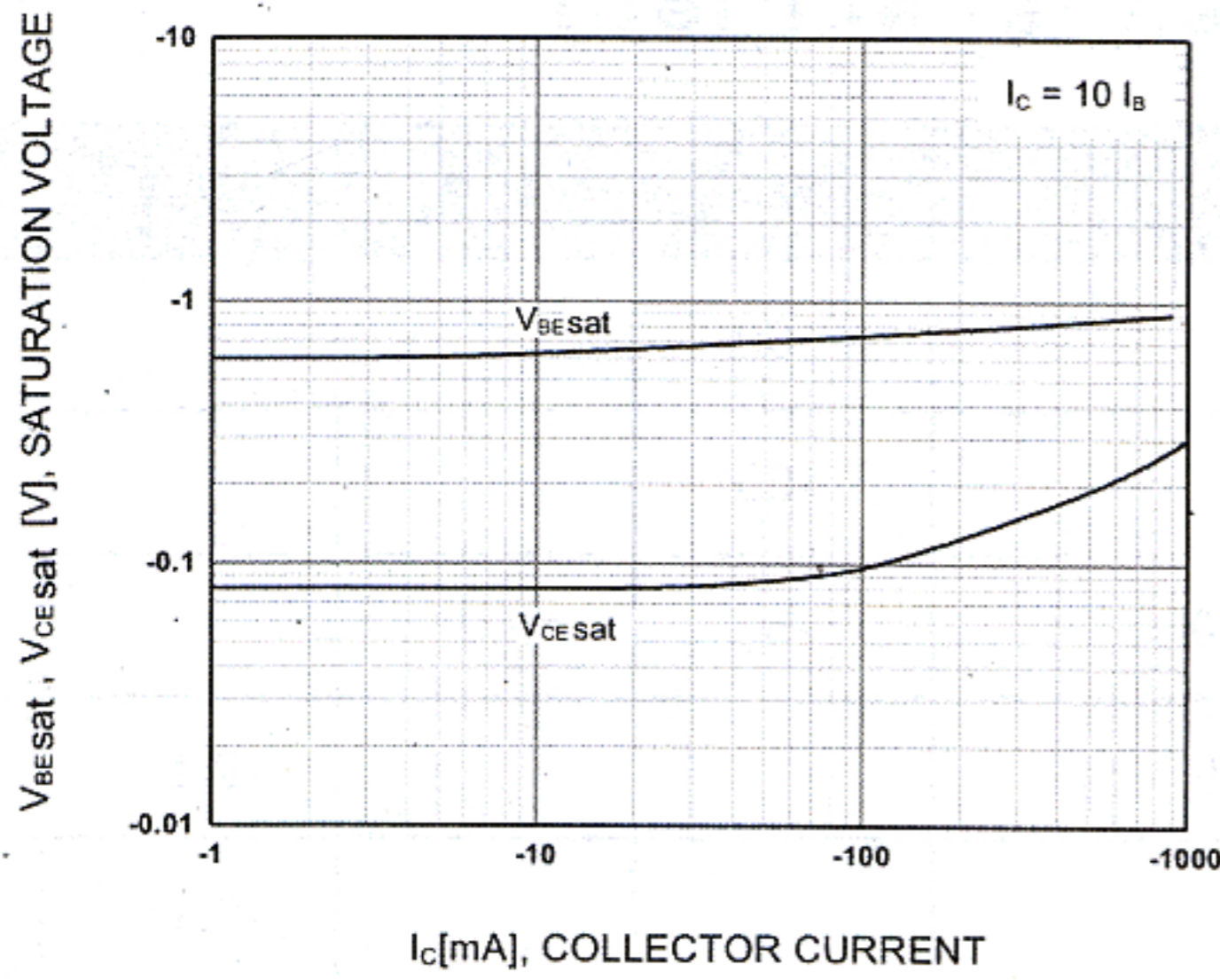
A733



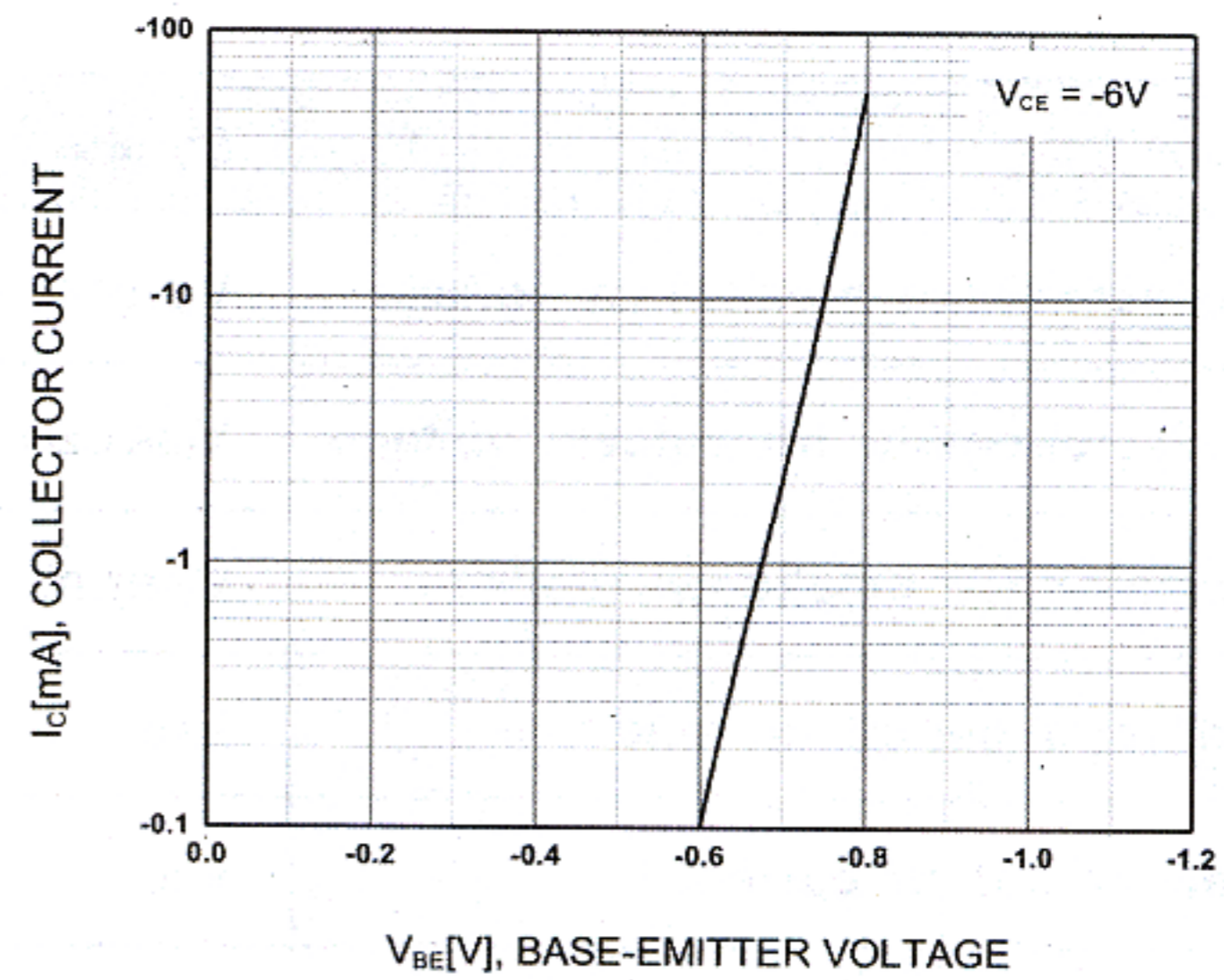
Static Characteristic



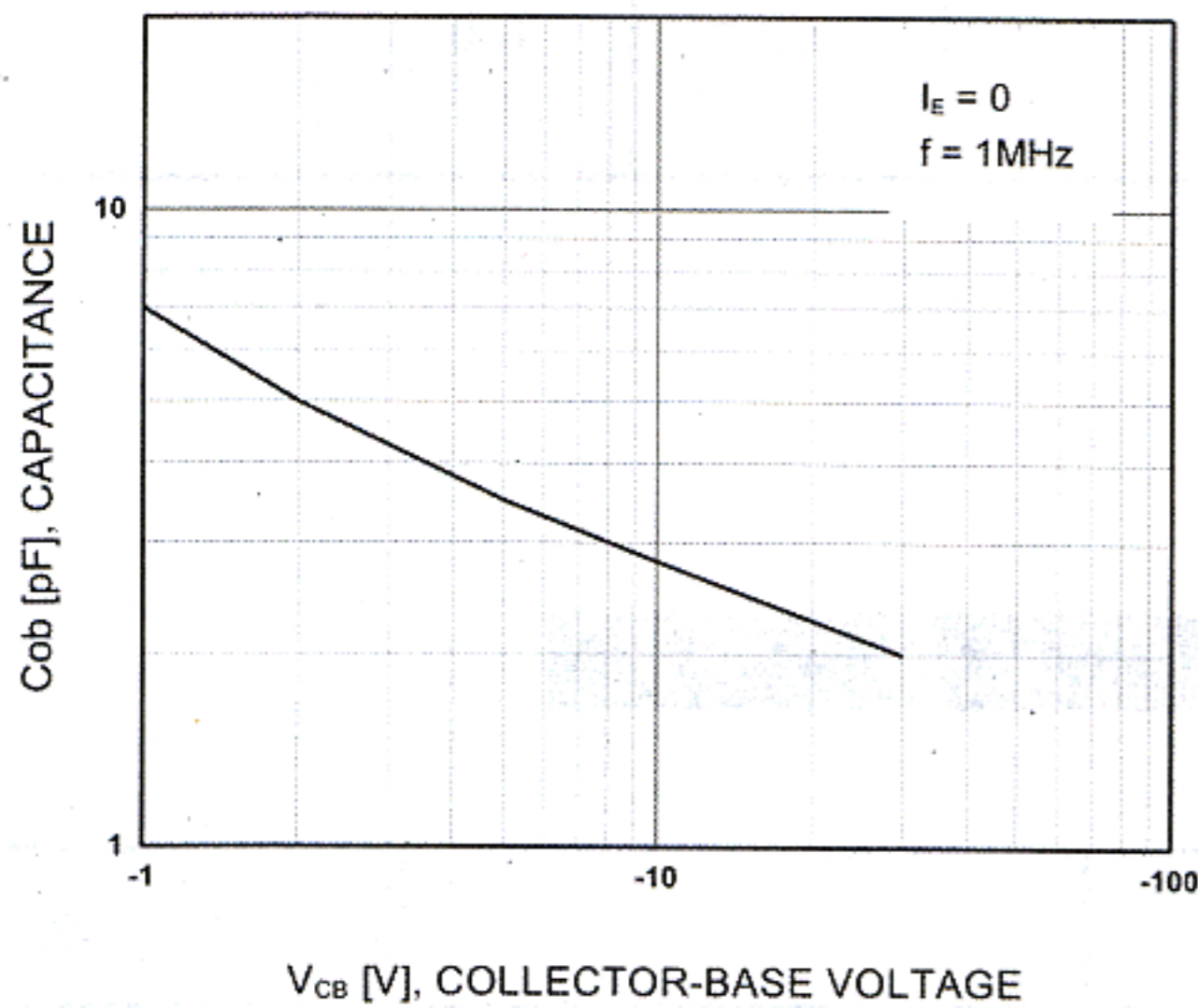
DC current Gain



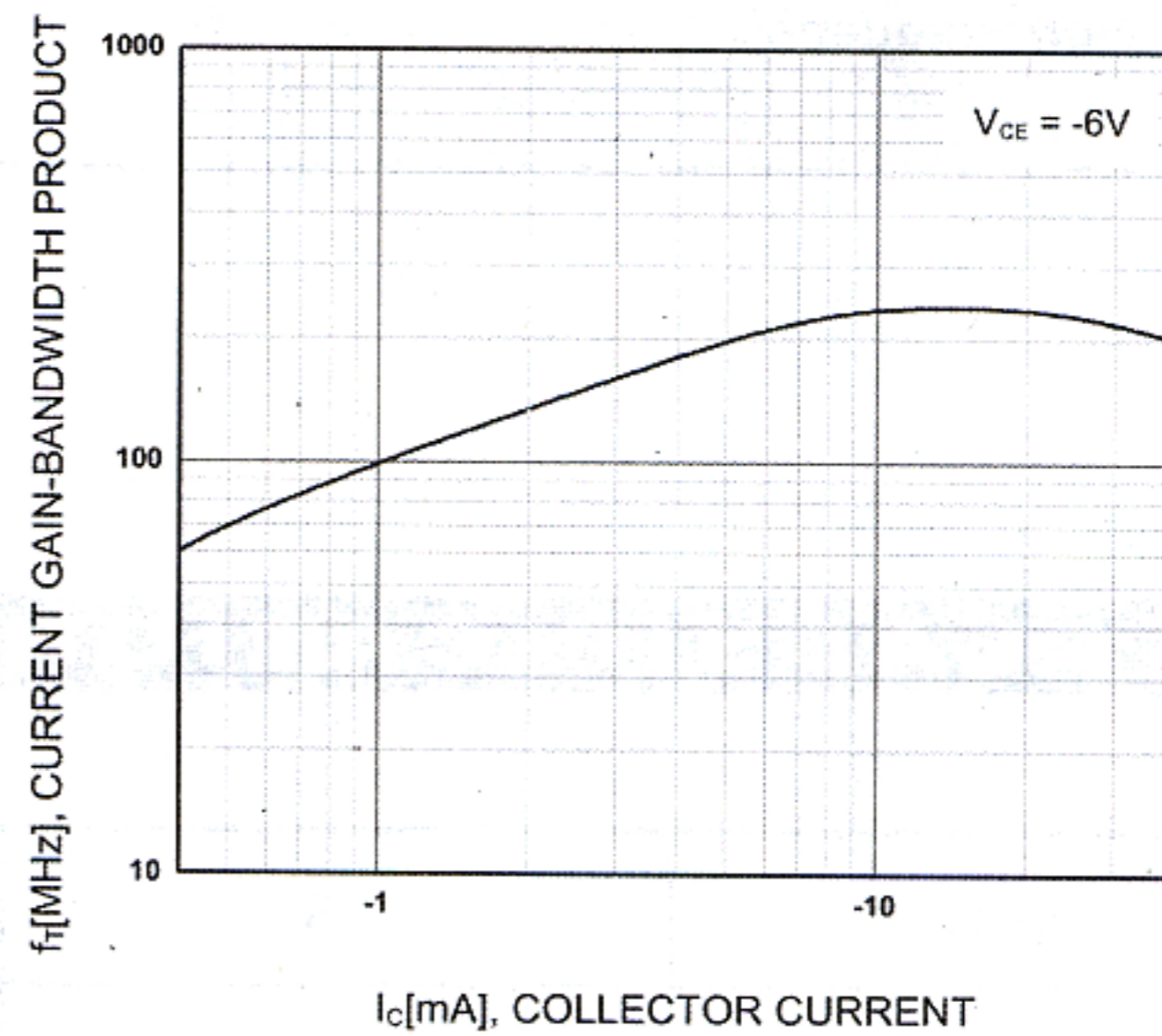
Base-Emitter Saturation Voltage  
Collector-Emmitter Saturation Voltage



Base-Emitter On Voltage



Collector Output Capacitance



Current Gain Bandwidth Product