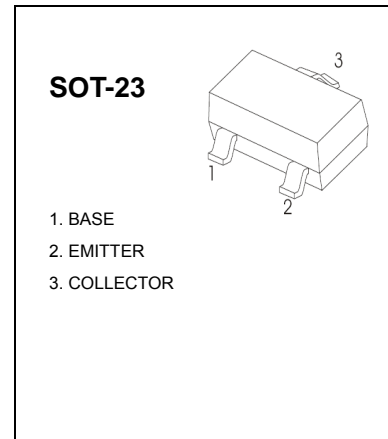


SOT-23 Plastic-Encapsulate Transistors

BC856A, B TRANSISTOR (PNP)
BC857A, B,C
BC858A, B,C

FEATURES

- Ideally suited for automatic insertion
- For Switching and AF Amplifier Applications



MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage		
	BC856	-80	V
	BC857	-50	
BC858	-30		
V _{CEO}	Collector-Emitter Voltage		
	BC856	-65	V
	BC857	-45	
BC858	-30		
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current –Continuous	-0.1	A
P _C	Collector Power Dissipation	200	mW
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-65-150	°C

DEVICE MARKING

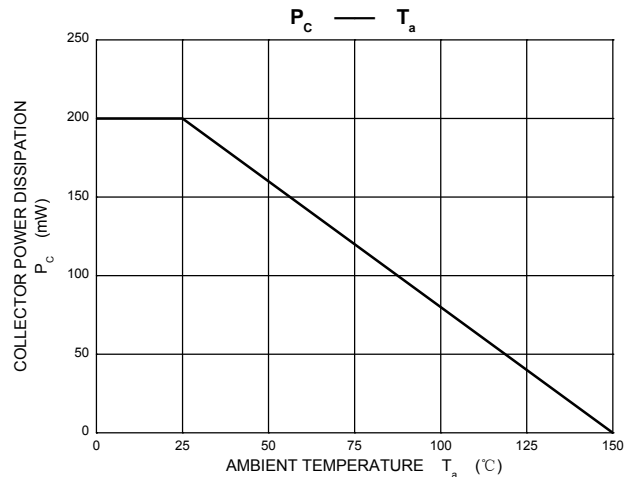
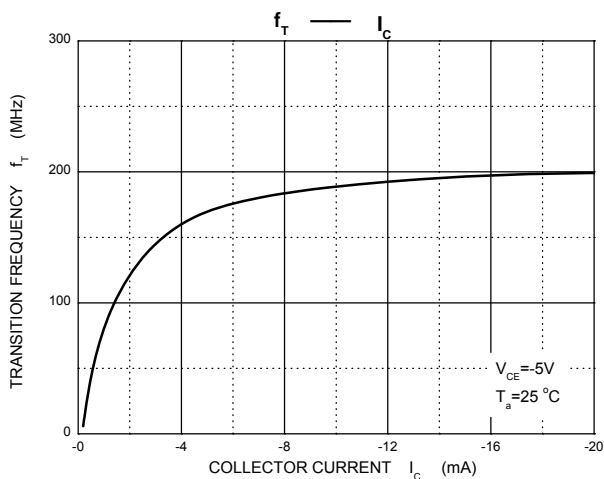
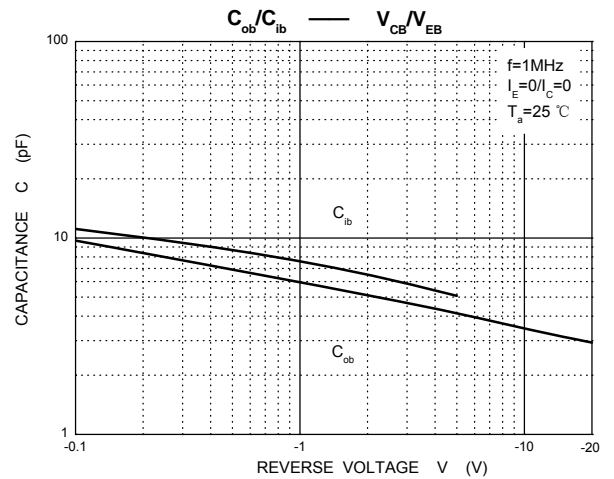
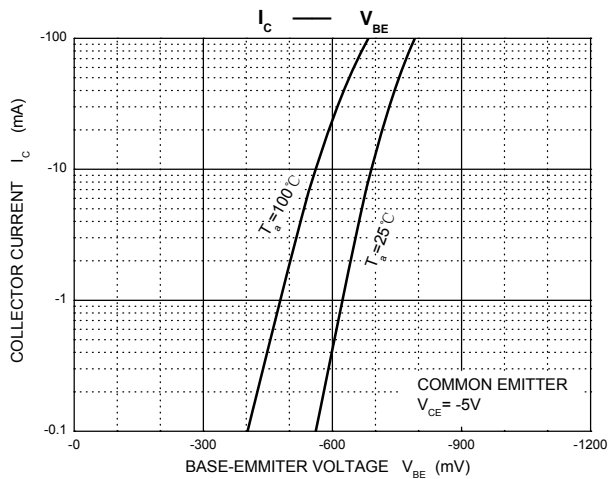
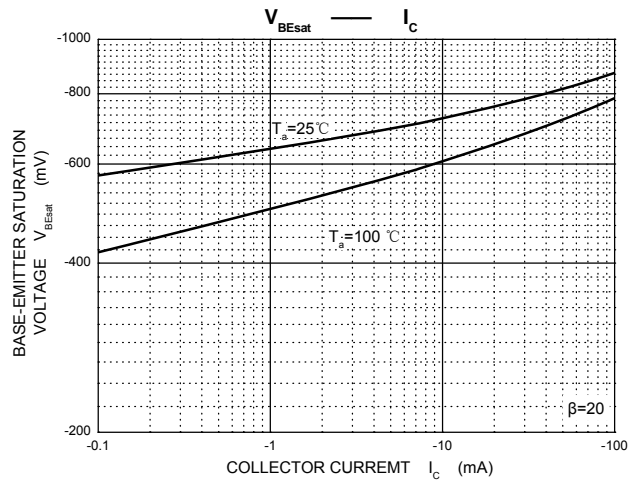
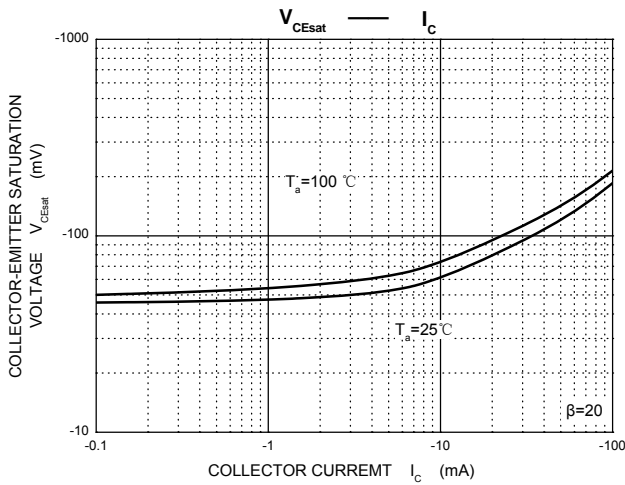
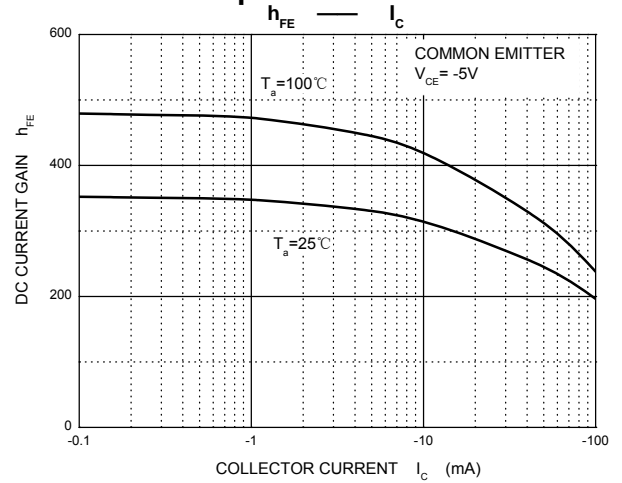
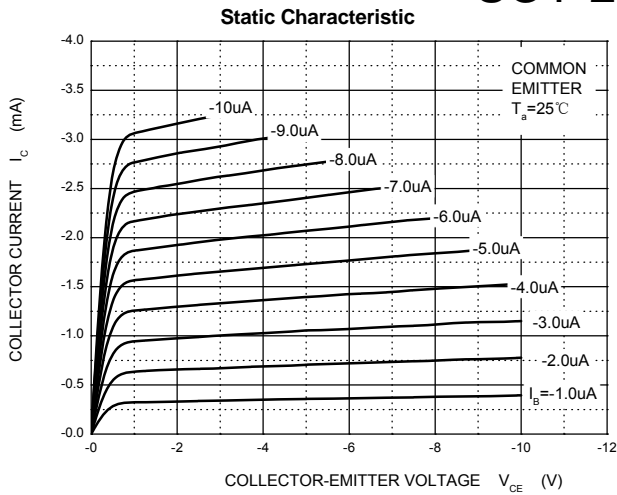
BC856A=3A; BC856B=3B;
 BC857A=3E;BC857B=3F;BC857C=3G;
 BC858A=3J; BC858B=3K; BC858C=3L

SOT-23 Plastic-Encapsulate Transistors

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Collector-base breakdown voltage	BC856	$I_C = -10\mu A, I_E = 0$	-80		V
	BC857		-50		
	BC858		-30		
Collector-emitter breakdown voltage	BC856	$I_C = -10mA, I_B = 0$	-65		V
	BC857		-45		
	BC858		-30		
Emitter-base breakdown voltage	V_{EBO}	$I_E = -1\mu A, I_C = 0$	-5		V
Collector cut-off current	BC856	$V_{CB} = -70V, I_E = 0$			μA
	BC857		$V_{CB} = -45V, I_E = 0$	-0.1	
	BC858		$V_{CB} = -25V, I_E = 0$		
Collector cut-off current	BC856	$V_{CE} = -60V, I_B = 0$			μA
	BC857		$V_{CE} = -40V, I_B = 0$	-0.1	
	BC858		$V_{CE} = -25V, I_B = 0$		
Emitter cut-off current	I_{EBO}	$V_{EB} = -5V, I_C = 0$		-0.1	μA
DC current gain	BC856A, 857A, 858A	$V_{CE} = -5V, I_C = -2mA$	125	250	
	BC856B, 857B, 858B		220	475	
	BC857C, BC858C		420	800	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -100mA, I_B = -5mA$		-0.5	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -100mA, I_B = -5mA$		-1.1	V
Transition frequency	f_T	$V_{CE} = -5V, I_C = -10mA$ $f = 100MHz$	100		MHz
Collector capacitance	C_{ob}	$V_{CB} = -10V, f = 1MHz$		4.5	pF

SOT-23 Plastic-Encapsulate Transistors



单击下面可查看定价，库存，交付和生命周期等信息

[>>UMW\(友台半导体\)](#)