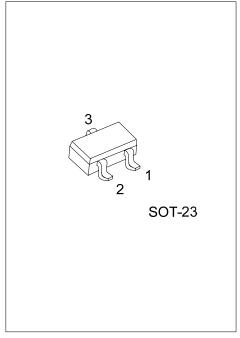
BC856/BC857/BC858

PNP SILICON TRANSISTOR

SWITCHING AND AMPLIFIER APPLICATIONS

FEATURES

- *Suitable for automatic insertion in thick and thin-film
- *Complement to BC846/BC847/BC848

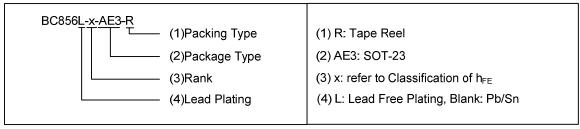


*Pb-free plating product number: BC856L/BC857L/BC858L

ORDERING INFORMATION

Order Number		Dookogo	Pin Assignment			Dooking	
Normal	Lead Free Plating	Package	1	2	3	Packing	
BC856-x-AE3-R	BC856L-x-AE3-R	SOT-23	Е	В	С	Tape Reel	
BC857-x-AE3-R	BC857L-x-AE3-R	SOT-23	Е	В	С	Tape Reel	
BC858-x-AE3-R	BC858L-x-AE3-R	SOT-23	E	В	С	Tape Reel	

Note: x: Rank



MARKING

BC856	BC857	BC858			
9A□	9B□	9C□			

: Rank Code,refer to Classification of hFE

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ABSOLUTE MAXIMUM RATINGS (Ta=25°C, unless otherwise specified)

PARAMETER		SYMBOL	RATINGS	UNIT
	BC856		-80	V
Collector-Base Voltage	BC857	V_{CBO}	-50	V
	BC858		-30	V
	BC856		-65	V
Collector-Emitter Voltage	BC857	V_{CEO}	-45	V
	BC858		-30	V
Emitter-Base Voltage		V_{EBO}	-5	V
Collector Dissipation		P_{D}	310	mW
Collector Current (DC)		Ic	-100	mA
Junction Temperature		TJ	+150	°C
Storage Temperature		T _{STG}	-40 ~ +150	°C

Note Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

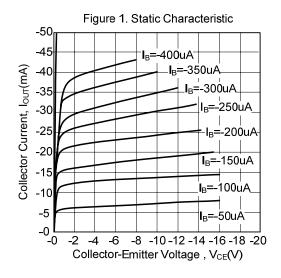
■ ELECTRICAL CHARACTERISTICS (Ta=25°C, unless otherwise specified)

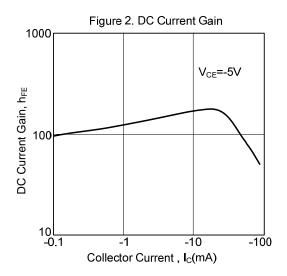
PARAMETER	SYMBOL	TEST CONDITIONS		TYP	MAX	UNIT
Collector Cut-Off Current	I _{CBO}	V _{CB} =-30V, I _E =0			-15	nA
DC Current Gain	h _{FE}	V_{CE} =-5V, I_{C} =-2mA	110		800	
Collector Emitter Seturation Voltage	VCE(SAT)	I_C =-10mA, I_B =-0.5mA		-90	-300	mV
Collector-Emitter Saturation Voltage		I_C =-100mA, I_B =-5mA		-250	-650	mV
Page Emitter Seturation Voltage	VDE(CAT)	I _C =-10mA,I _B =-0.5mA		-700		mV
Base-Emitter Saturation Voltage		I_C =-100mA, I_B =-5mA		-900		mV
Base-Emitter On Voltage	VDE(ON)	V_{CE} =-5 V , I_{C} =-2 mA	-600	-660	-750	mV
Base-Effiller Off Voltage		V_{CE} =-5 V , I_{C} =-10 mA			-800	mV
Current Gain Bandwidth Product	f _T	V _{CE} =-5V,I _C =-10mA, f=100MHz		150		MHz
Output Capacitance	Cob	V_{CB} =-10V, I_{E} =0, f =1MHz			6	pF
Noise Figure	NF	V_{CE} =-5V, I_{C} =-200 μ A, f=1KHz, R_{G} =2K Ω		2	10	dB

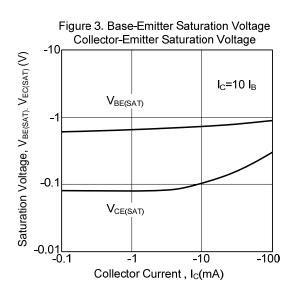
■ CLASSIFICATION OF h_{FE}

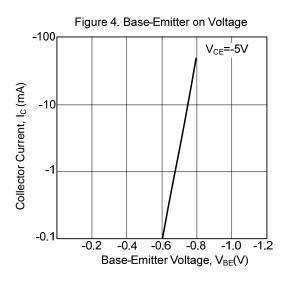
RANK	А	В	С
RANGE	110-220	200-450	420-800

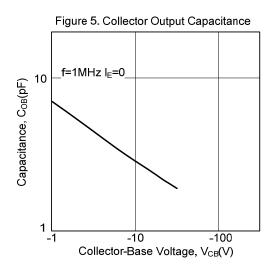
■ TYPICAL CHARACTERISTICS

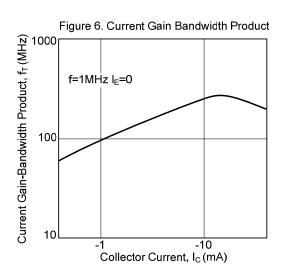












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