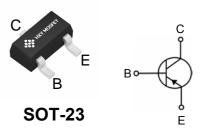


Features

- Collector Current: I_C= -0.1A
- Power Dissipation of 200mW

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
BCW70,215	SOT-23	3F	3000



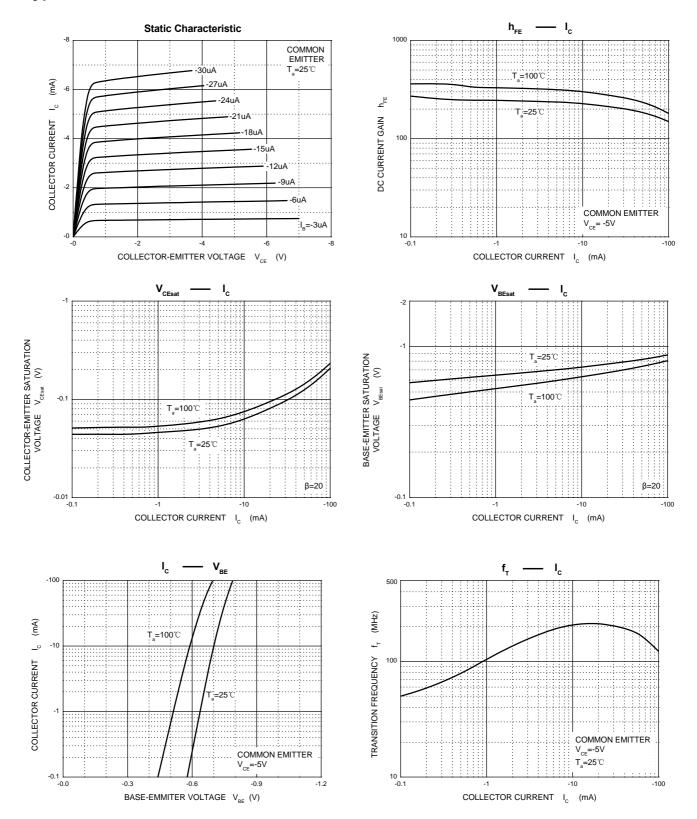
Maximum Ratings (Ta=25°C unless otherwise noted)

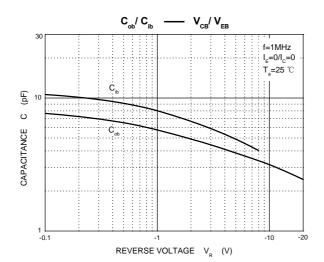
5 \			,		
Symbol	Parameter	Value	Unit		
Vсво	Collector-Base Voltage	-50	V		
VCEO	Collector-Emitter Voltage	-45	V		
VEBO	Emitter-Base Voltage	-5	V		
Ic	Collector Current-Continuous	-0.1	Α		
Pc	Collector Power Dissipation	200	mW		
T _j	Junction Temperature	150	℃		
T _{stg}	Storage Temperature	-55-150	$^{\circ}$		

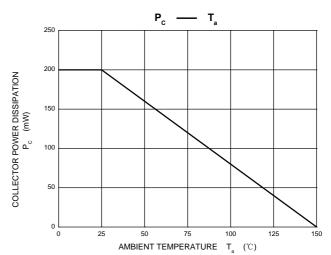
Electrical Characteristics (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Collector-base breakdown voltage	VCBO	IC= -10μA, IE=0	-50		V
Collector-emitter breakdown voltage	VCEO	IC= -10mA, IB=0	-45		V
Emitter-base breakdown voltage	VEBO	IE= -1μΑ, IC=0	-5		V
Collector cut-off current	ICBO	VCB= -45V, IE=0		-0.1	μA
Collector cut-off current	ICEO	VCE= -40V, IB=0		-0.1	μΑ
Emitter cut-off current	IEBO	VEB= -5 V , IC=0		-0.1	μΑ
DC current gain	hFE	VCE= -5V, IC= -2mA	220	450	
Collector-emitter saturation voltage	VCE(sat)	IC=-100mA, IB= -5 mA		-0.5	V
Base-emitter saturation voltage	VBE(sat)	IC= -100mA, IB= -5mA		-1.1	V
Transition frequency	fT	VCE= -5 V, IC= -10mA f=100MHz	100		MHz
Collector capacitance	Cob	VCB=-10V, f=1MHz		4.5	pF

Typical Characteristics

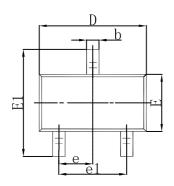


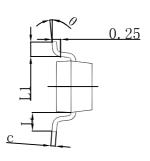


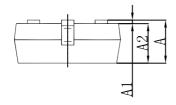


Package Dimensions

SOT-23

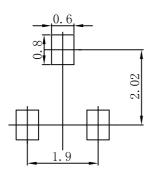






Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min	Max	Min	Max	
Α	0.900	1.150	0.035	0.045	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.050	0.035	0.041	
b	0.300	0.500	0.012	0.020	
С	0.080	0.150	0.003	0.006	
D	2.800	3.000	0.110	0.118	
E	1.200	1.400	0.047	0.055	
E1	2.250	2.550	0.089	0.100	
е	0.950	0.950 TYP		0.037 TYP	
e1	1.800	2.000	0.071	0.079	
Ĺ	0.550 REF		0.022 REF		
L1	0.300	0.500	0.012	0.020	
θ	0°	8°	0°	8°	

Suggested Pad Layout



- Note:
 1.Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
 3.The pad layout is for reference purposes only.



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