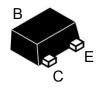


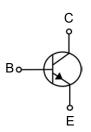
Features

Collector Power Dissipation: 100mW

Collector Current: Ic = 150mA



SOT-723



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
H2SC5658	SOT-723	BQ/BR/BS	8000

Maxmim Ratings (Ta=25 unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	60	V
V_{CEO}	Collector-Emitter Voltage	50	V
V_{EBO}	Emitter-Base Voltage	7	V
lc	Collector Current	150	mA
Pc	Collector Power Dissipation	100	mW
T _J ,T _{stg}	Operation Junction And Storage Temperature Range	-55∼+150	$^{\circ}\mathbb{C}$

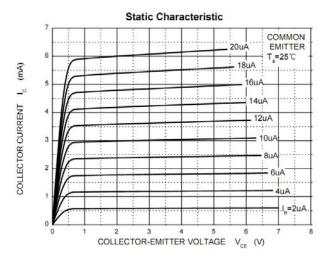
Electrcal Charcteristics (Ta=25 unless otherwise specified)

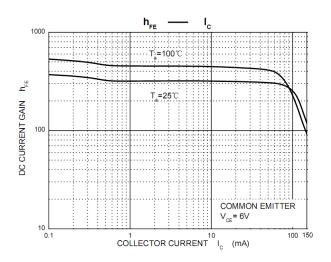
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =50μA,I _E =0	60			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=1$ mA, $I_B=0$	50			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I _E =50μA,I _C =0	7			٧
Collector cut-off current	I _{CBO}	$V_{CB}=60V,I_{E}=0$			0.1	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =7V,I _C =0			0.1	μΑ
DC current transfer ratio	h _{FE}	V _{CE} =6V,I _C =1mA	120		560	
Collector-emitter saturation voltage	$V_{CE(sat)}$	I _C =50mA,I _B =5mA			0.4	>
Transition frequency	f _T	V_{CE} =12 V , I_{C} =2 mA , f=100 MHz		180		MHz
Output capacitance	C_ob	V_{CB} =12V, I_{E} =0, f=1MHz			3.5	pF

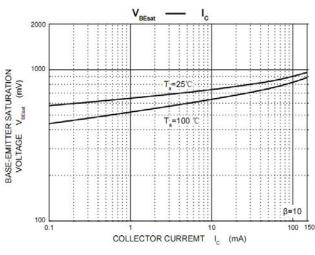
Classifiction Of hFE

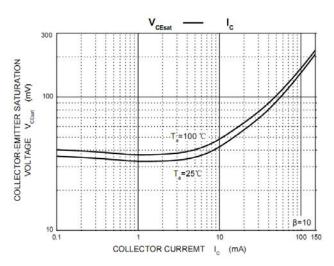
Rank	H2SC5658T2LQ	H2SC5658T2LR	H2SC5658T2LS
Range	120-270	180-390	270-560
Marking	BQ	BR	BS

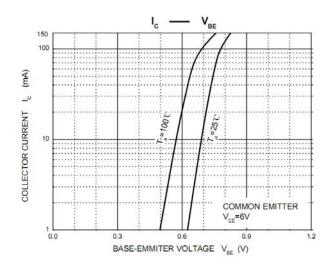
Typical Characteristics

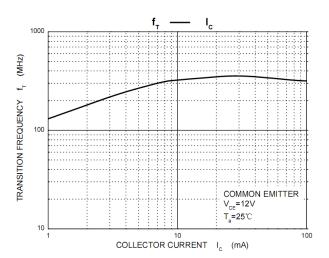




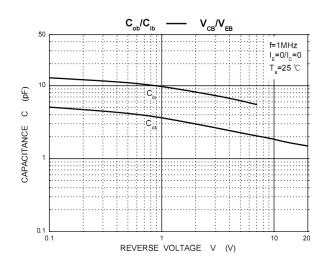


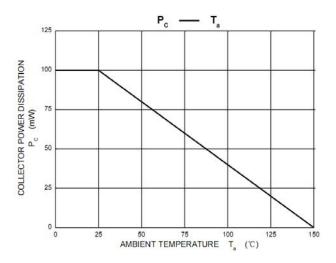




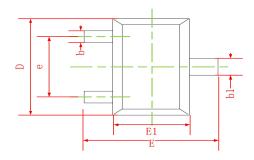


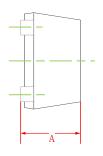


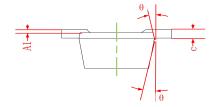




SOT-23 Package Outline Dimensions







	Dimensions In Millimeters			
Symbol	Min.	Max.		
A	0.430	0.500		
A1	0.000	0.050		
b	0.170	0.270		
b1	0.270	0.370		
С	0.080	0.150		
D	1.150	1.250		
Е	1.150	1.250		
E1	0.750	0.850		
е	0.800TYP. 7° REF.			
θ				



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