

### **Features**

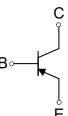
• Low Speed Switching

# **Package Marking and Ordering Information**

Product ID	Pack	Packing Method	Qty(PCS)
KSB772YS	TO-126	Bulk	200

1.EMITTER 2. COLLECTOR 3.BASE

TO-126



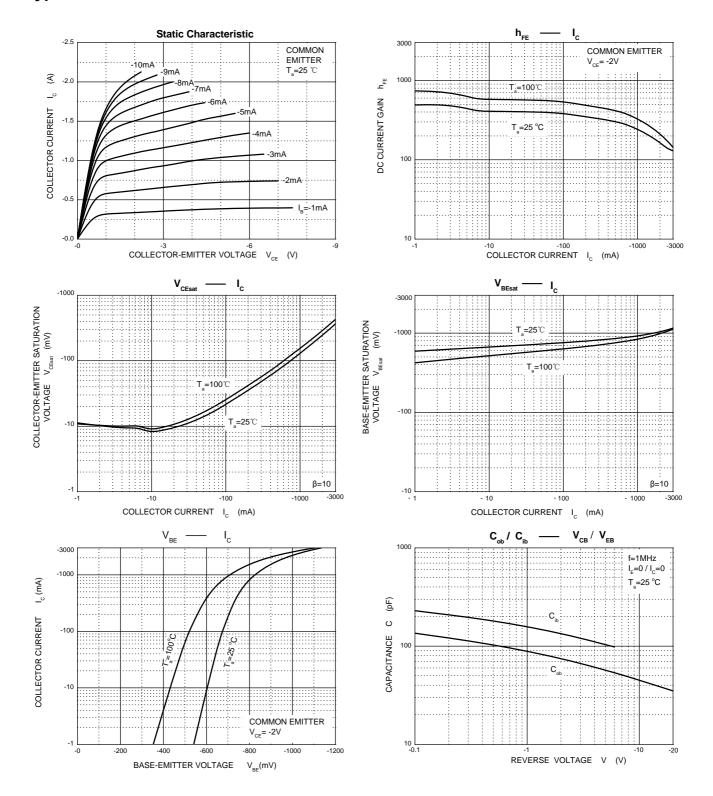
Maximum Ratings (Ta=25°C unless otherwise noted)

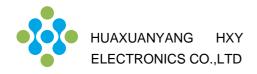
maximam ratings (14 20 5 amoss strict mes noted)				
Symbol	Parameter	Value	Unit	
V <sub>CBO</sub>	Collector-Base Voltage	-60	>	
V <sub>CEO</sub>	Collector-Emitter Voltage	-30	>	
V <sub>EBO</sub>	Emitter-Base Voltage	-6	<b>V</b>	
Ic	Collector Current -Continuous	-3	Α	
Pc	Collector Dissipation	1	W	
T <sub>J</sub> , T <sub>stg</sub>	, T <sub>stg</sub> Operation Junction and Storage Temperature Range		$^{\circ}$	

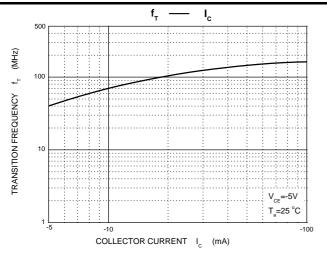
# Electrical Characteristics(Ta=25°C unless otherwise specified)

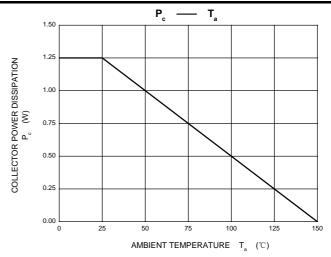
Parameter	Symbol	Test conditions	Min	Max	Unit
Collector-base breakdown voltage	V <sub>(BR)CBO</sub>	$I_C = -1 \text{mA}$ , $I_{E} = 0$	-60		V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -1 \text{mA}$ , $I_B = 0$	-30		V
Emitter-base breakdown voltage	V <sub>(BR)EBO</sub>	I <sub>E</sub> = -1mA , I <sub>C</sub> =0	-6		V
Collector cut-off current	I <sub>CBO</sub>	V <sub>CB</sub> = -60V, I <sub>E</sub> =0		0.1	μA
Collector cut-off current	I <sub>CEO</sub>	$V_{CE}$ =-30V, $I_{B}$ =0		0.5	μA
Emitter cut-off current	I <sub>EBO</sub>	V <sub>EB</sub> =-6V, I <sub>C</sub> =0		0.1	μA
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> = -2V, I <sub>C</sub> = -1A	200	300	
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =-2A, I <sub>B</sub> = -0.2A		-0.5	V
Transition fraguency	f⊤	V <sub>CE</sub> = -5V, I <sub>C</sub> =-0.1A	50		MHz
Transition frequency		f =10MHz	30		

### **Typical Characteristics**

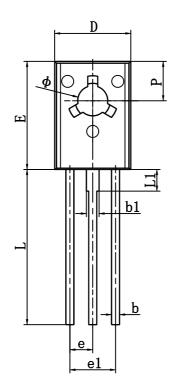


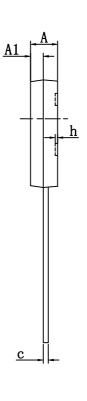






## **TO-126 Package Outline Dimensions**





Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
А	2.500	2.900	0.098	0.114
A1	1.100	1.500	0.043	0.059
b	0.660	0.860	0.026	0.034
b1	1.170	1.370	0.046	0.054
С	0.450	0.600	0.018	0.024
D	7.400	7.800	0.291	0.307
Е	10.600	11.000	0.417	0.433
е	2.290 TYP		0.090 TYP	
e1	4.480	4.680	0.176	0.184
h	0.000	0.300	0.000	0.012
L	15.300	15.700	0.602	0.618
L1	2.100	2.300	0.083	0.091
Р	3.900	4.100	0.154	0.161
Ф	3.000	3.200	0.118	0.126



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