



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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●Electrical characteristics (Ta=25°C)

Parameter		Symbol	Min.	Typ.	Max.	Unit	Conditions
Collector-base breakdown voltage		BV <sub>CB0</sub>	-80	-	-	V	I <sub>C</sub> = -50μA
Collector-emitter breakdown voltage		BV <sub>CEO</sub>	-80	-	-	V	I <sub>C</sub> = -1mA
Emitter-base breakdown voltage		BV <sub>EBO</sub>	-5	-	-	V	I <sub>E</sub> = -50μA
Collector cutoff current		I <sub>CBO</sub>	-	-	-1	μA	V <sub>CB</sub> = -60V
Emitter cutoff current		I <sub>EBO</sub>	-	-	-1	μA	V <sub>EB</sub> = -4V
Collector-emitter saturation voltage		V <sub>CE(sat)</sub>	-	-	-0.4	V	I <sub>C</sub> /I <sub>B</sub> = -500mA/ -50mA
DC current transfer ratio	2SB1260, 2SB1181	h <sub>FE</sub>	120	-	390	-	V <sub>CE</sub> = -3V, I <sub>C</sub> = -0.1A
	2SB1241		120	-	390	-	
Transition frequency		f <sub>T</sub>	-	100	-	MHz	V <sub>CE</sub> = -10V, I <sub>E</sub> =50mA, f=100MHz
Output capacitance	2SB1260	C <sub>ob</sub>	-	20	-	pF	V <sub>CB</sub> = -10V I <sub>E</sub> =0A f=1MHz
	2SB1181, 2SB1241		-	25	-	pF	

●Packaging specifications and h<sub>FE</sub>

Type	h <sub>FE</sub>	Package	Taping		
		Code	TL	TV2	T100
		Basic ordering unit (pieces)	2500	2500	1000
2SB1260	QR	-	-	○	
2SB1241	QR	-	○	-	
2SB1181	QR	○	-	-	

h<sub>FE</sub> values are classified as follows :

Item	Q	R
h <sub>FE</sub>	120 to 270	180 to 390

●Electrical characteristic curves

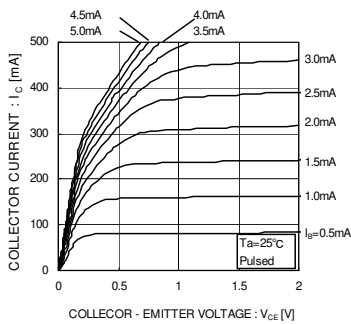


Fig.1 Ground Emitter Output Characteristics

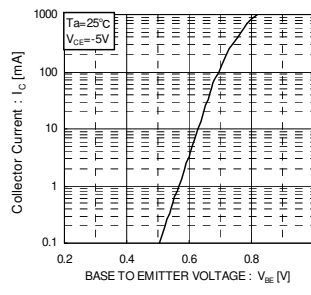


Fig.2 Grounded Emitter Propagation Characteristics

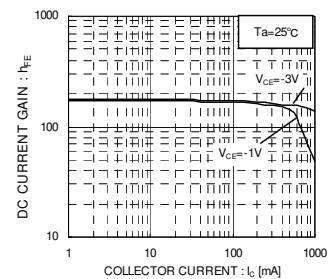


Fig.3 DC Current Gain vs Collector Current

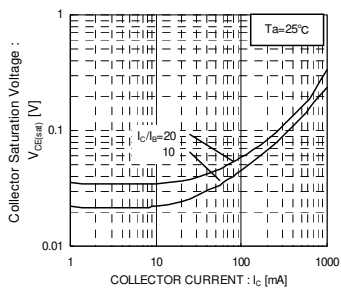


Fig.4 Collector-Emitter Saturation Voltage vs Collector Current

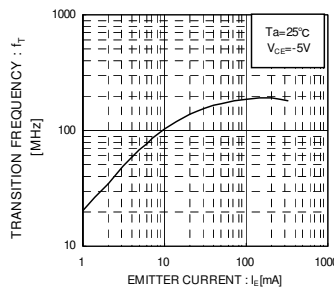


Fig.5 Transition Frequency vs Emitter Current

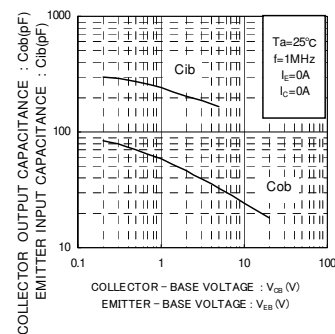


Fig.6 Emitter Input Capacitance vs. Emitter-Base Voltage  
Collector Output Capacitance vs. Collector-Base

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