



●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

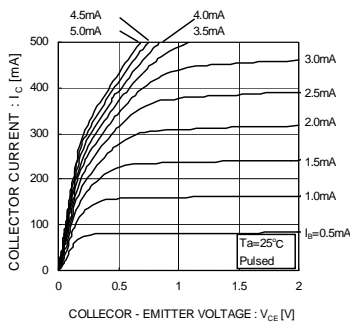


Fig.1 Ground Emitter Output Characteristics

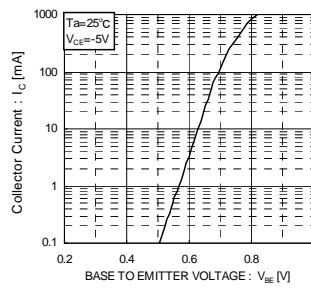


Fig.2 Grounded Emitter Propagation Characteristics

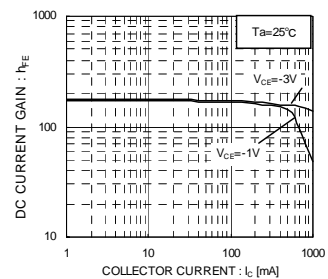


Fig.3 DC Current Gain vs Collector Current

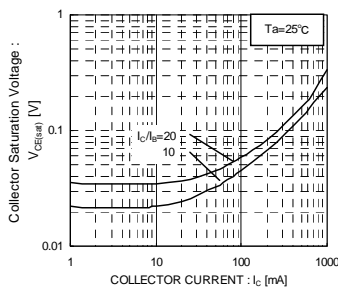


Fig.4 Collector-Emitter Saturation Voltage vs Collector Current

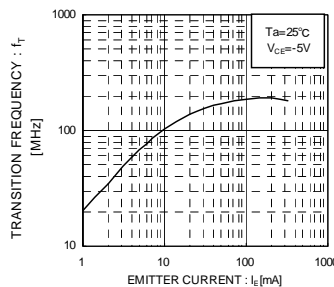


Fig.5 Transition Frequency vs Emitter Current

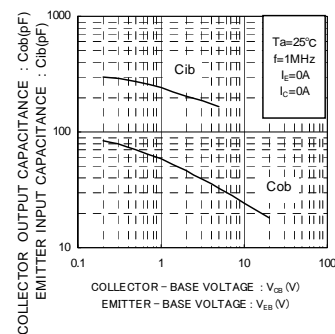


Fig.6 Emitter Input Capacitance vs. Emitter-Base Voltage  
Collector Output Capacitance vs. Collector-Base

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