Electrical Characteristics at Ta = 25°C

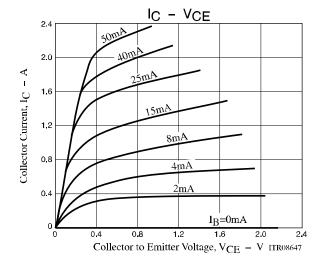
Parameter	Symbol	Conditions	Ratings			L laste
			min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =50V, I _E =0A			0.1	μΑ
Emitter Cutoff Current	I _{EBO}	V _{EB} =4V, I _C =0A			0.1	μΑ
DC Current Gain	hFE1	V _{CE} =2V, I _C =100mA	140		400	
	hFE2	V _{CE} =2V, I _C =1.5A	40			
Gain-Bandwidth Product	fT	V _{CE} =10V, I _C =50mA		150		MHz
Output Capacitance	Cob	V _{CB} =10V, f=1MHz		12		pF
Collector to Emitter Saturation Voltage	V _{CE} (sat)	I _C =1A, I _B =50mA		0.15	0.4	V
Base to Emitter Saturation Voltage	V _{BE} (sat)	I _C =1A, I _B =50mA		0.9	1.2	V
Collector to Base Breakdown Voltage	V(BR)CBO	I _C =10μA, I _E =0A	60			V
Collector to Emitter Breakdown Voltage	V(BR)CEO	I _C =1mA, R _{BE} =∞	50			V
Emitter to Base Breakdown Voltage	V(BR)EBO	I _E =10μA, I _C =0A	6			V

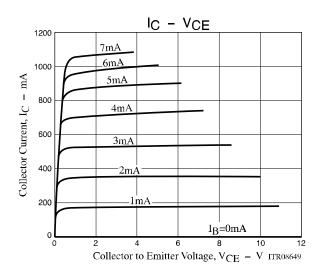
^{*:} The 2SD1207 is graded as follows by $h_{\mbox{\scriptsize FE}}$ at 100mA :

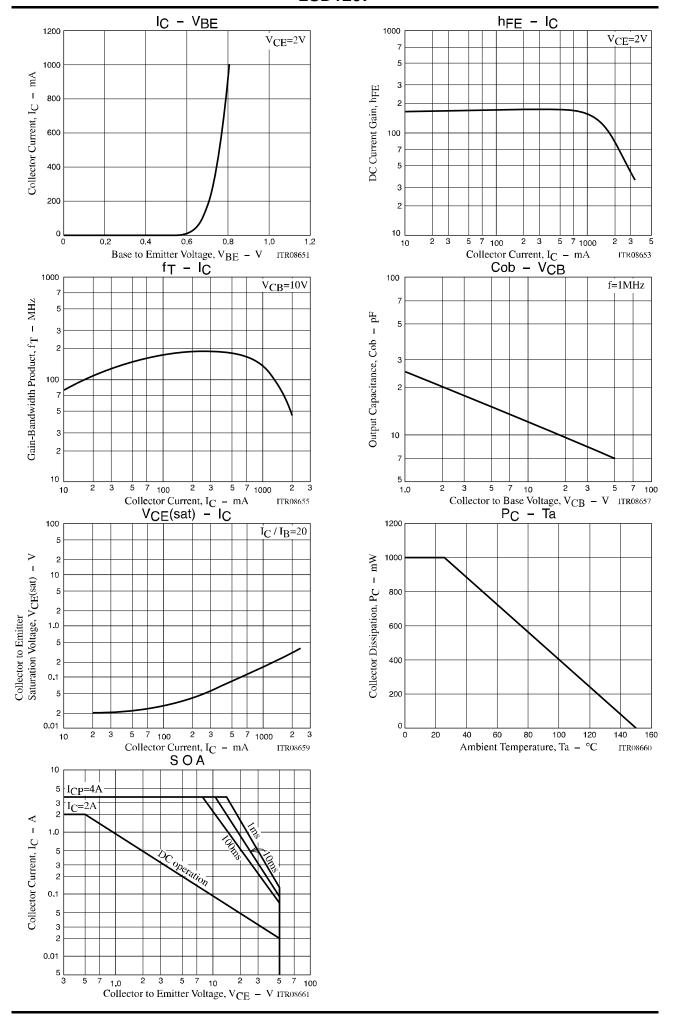
Rank	S	T
hFE	140 to 280	200 to 400

Ordering Information

Device	Package	Shipping	Memo	
2SD1207S		500pcs./bag	Pb Eree	
2SD1207S-AE	MD	1,000pcs./box		
2SD1207T	MP	500pcs./bag		
2SD1207T-AE		1,000pcs./box		

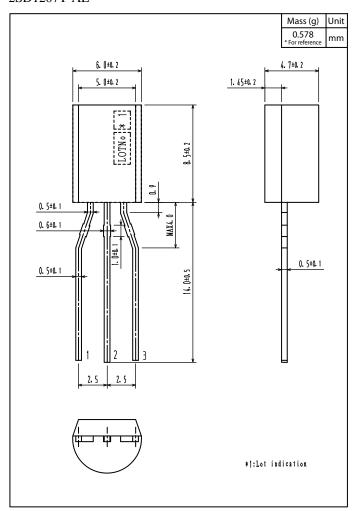






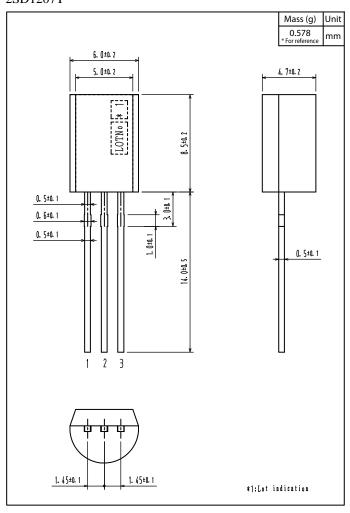
Outline Drawing

2SD1207S-AE 2SD1207T-AE



Outline Drawing

2SD1207S 2SD1207T



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