

一、概述 / Descriptions

SOT-323 NPN Silicon NPN transistor in a SOT-323 Plastic Package.

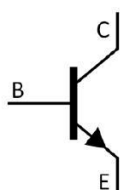
二、特点 / Features

Small feedback capacitance, low noise figure, high f_T .

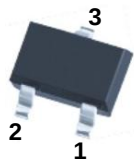
三、应用 / Applications

2GHz
Low noise small signal amplifiers up to 2 GHz.

四、等效电路 / Equivalent Circuit



五、封装 / Pinning



PIN1 Emitter PIN 2 Base PIN 3 Collector

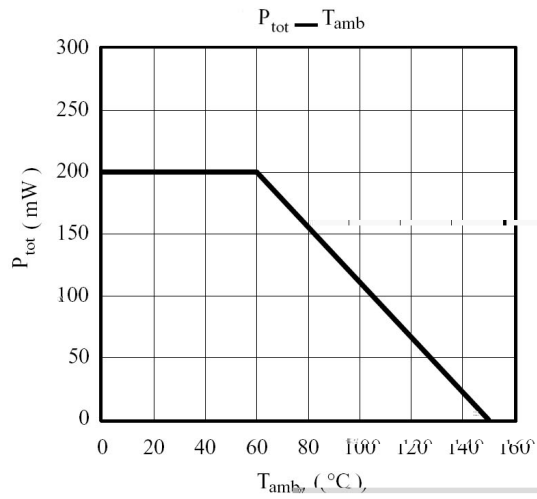
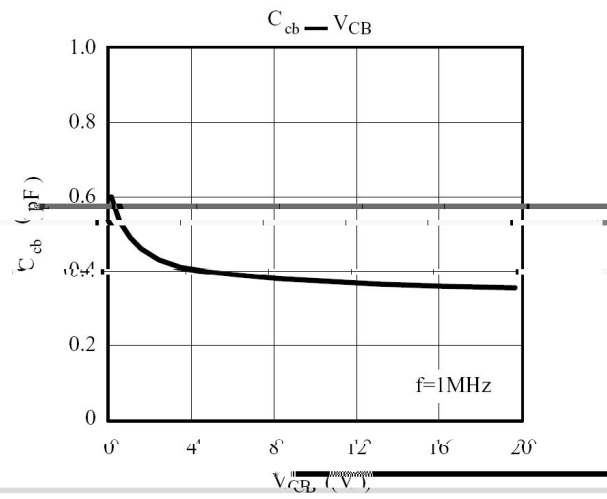
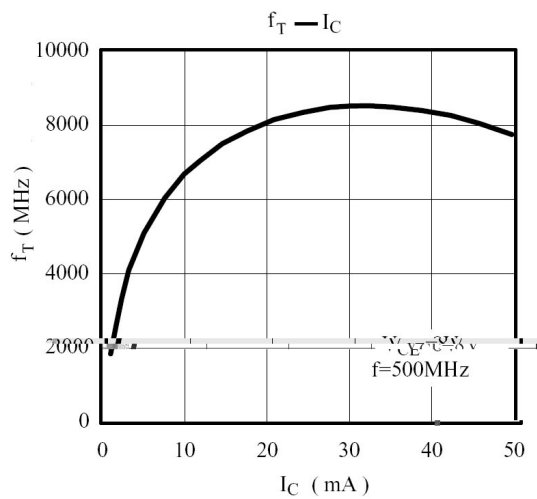
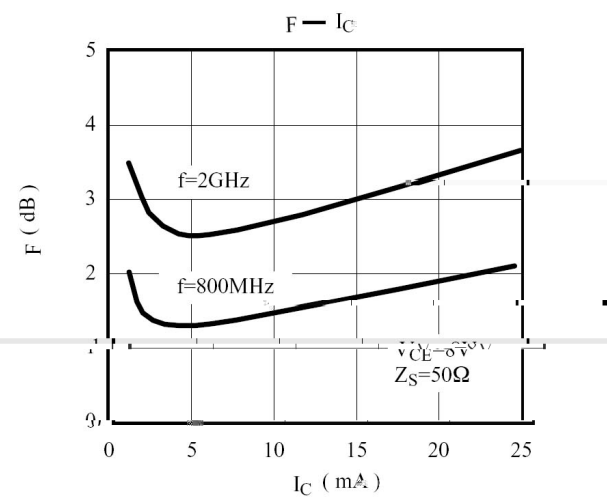
六、标识 / Marking

h_{FE} Range	65~150
Marking	HWV2

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	20	V
Collector to Emitter Voltage	V_{CEO}	10	V
Emitter to Base Voltage	V_{EBO}	2.5	V
Collector Current - Continuous	I_C	50	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown						

Electrical Characteristic Curve



Ⓜ Ⓔ Ⓐ Ⓛ Ⓣ / Package Dimensions

SOT-323

单位: mm.

