

查询"MMBTSC3356W"供应商

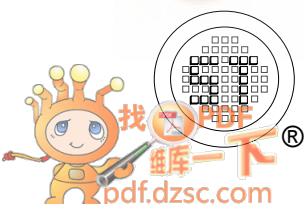
A diagram of a 4-pin D-sub connector. The connector is shown from a perspective view, highlighting its D-shaped profile. Two pins on the left are labeled '1' and '2'.

The transistor is subdivided into three groups, Q, R and S, according to its DC current gain.

Parameter	Symbol	Value	Unit
Collector Base Voltage	$V_{CBO}$	20	V
Collector Emitter Voltage	$V_{CEO}$	12	V
Emitter Base Voltage	$V_{EBO}$	3	V
Collector Current	$I_C$	100	mA
Power Dissipation	$P_{tot}$	200	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_S$	- 65 to + 150	°C

Parameter	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at $V_{CE} = 10\text{ V}$ , $I_C = 20\text{ mA}$ Current Gain Group    Q R S	$h_{FE}$ $h_{FE}$ $h_{FE}$	50 80 125	- - -	100 160 250	- - -
Collector Cutoff Current at $V_{CB} = 10\text{ V}$	$I_{CBO}$	-	-	1	$\mu\text{A}$
Emitter Cutoff Current at $V_{EB} = 1\text{ V}$	$I_{EBO}$	-	-	1	$\mu\text{A}$
Gain Bandwidth Product at $V_{CE} = 10\text{ V}$ , $I_C = 20\text{ mA}$	$f_T$	-	7	-	GHz
Feed-Back Capacitance at $V_{CB} = 10\text{ V}$ , $f = 1\text{ MHz}$	$C_{re}^{1)}$	-	0.55	1	pF
Insertion Power Gain at $V_{CE} = 10\text{ V}$ , $I_C = 20\text{ mA}$ , $f = 1\text{ GHz}$	$ S_{21e} ^2$	-	11.5	-	dB
Noise Figure at $V_{CE} = 10\text{ V}$ , $I_C = 7\text{ mA}$ , $f = 1\text{ GHz}$	NF	-	1.1	2	dB

<sup>1)</sup> The emitter terminal and the case shall be connected to the guard terminal of the three-terminal capacitance bridge.

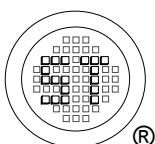
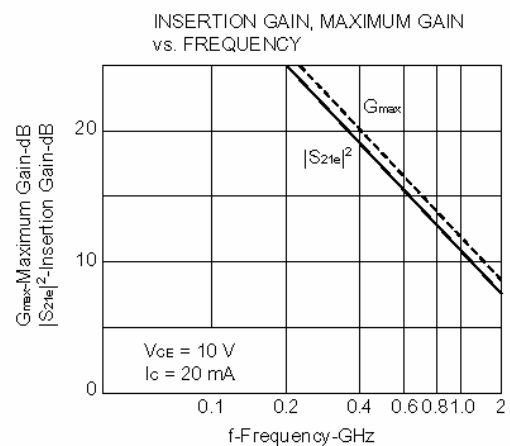
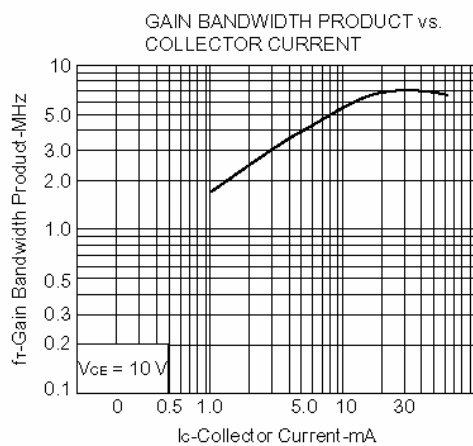
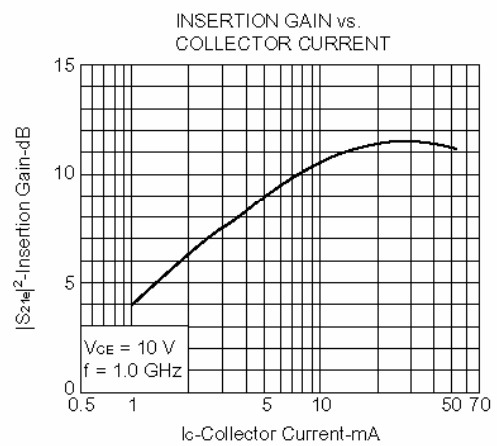
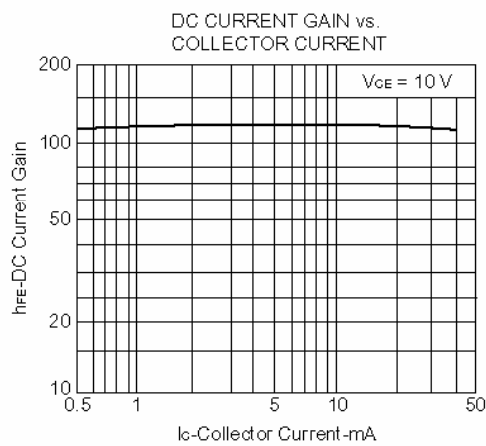
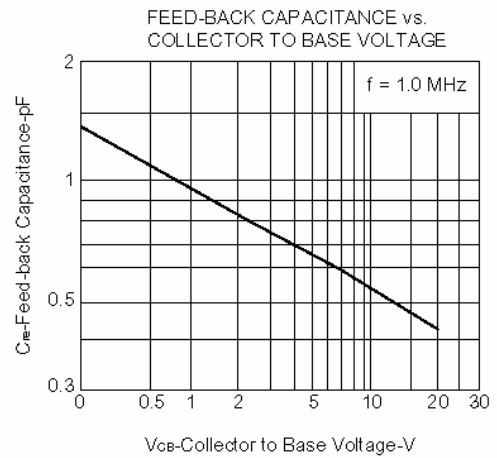
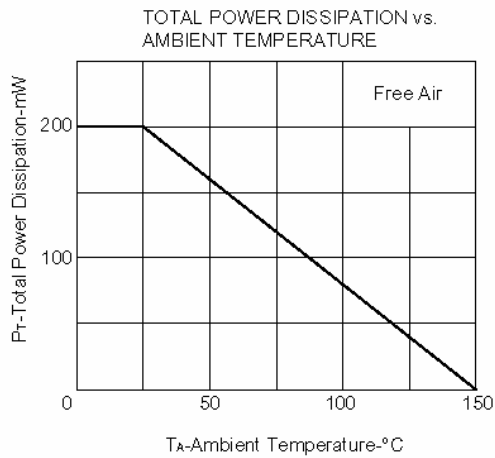


(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



*Dated : 20/05/2006*

## TYPICAL CHARACTERISTICS (T<sub>A</sub> = 25 °C)



**SEMTECH ELECTRONICS LTD.**

(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949:2002  
Certificate No. 05103



ISO 14001:2004  
Certificate No. 7116



ISO 9001:2000  
Certificate No. 0506088

Dated : 20/05/2006