

/ Descriptions

SOT-89 NPN Silicon NPN transistor in a SOT-89 Plastic Package.

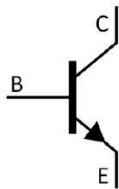
/ Features

2SB647(A)T
Complementary pair with 2SB647(A)T.

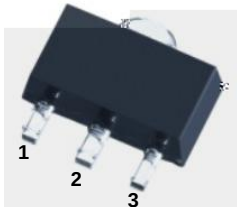
/ Applications

Low frequency power amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

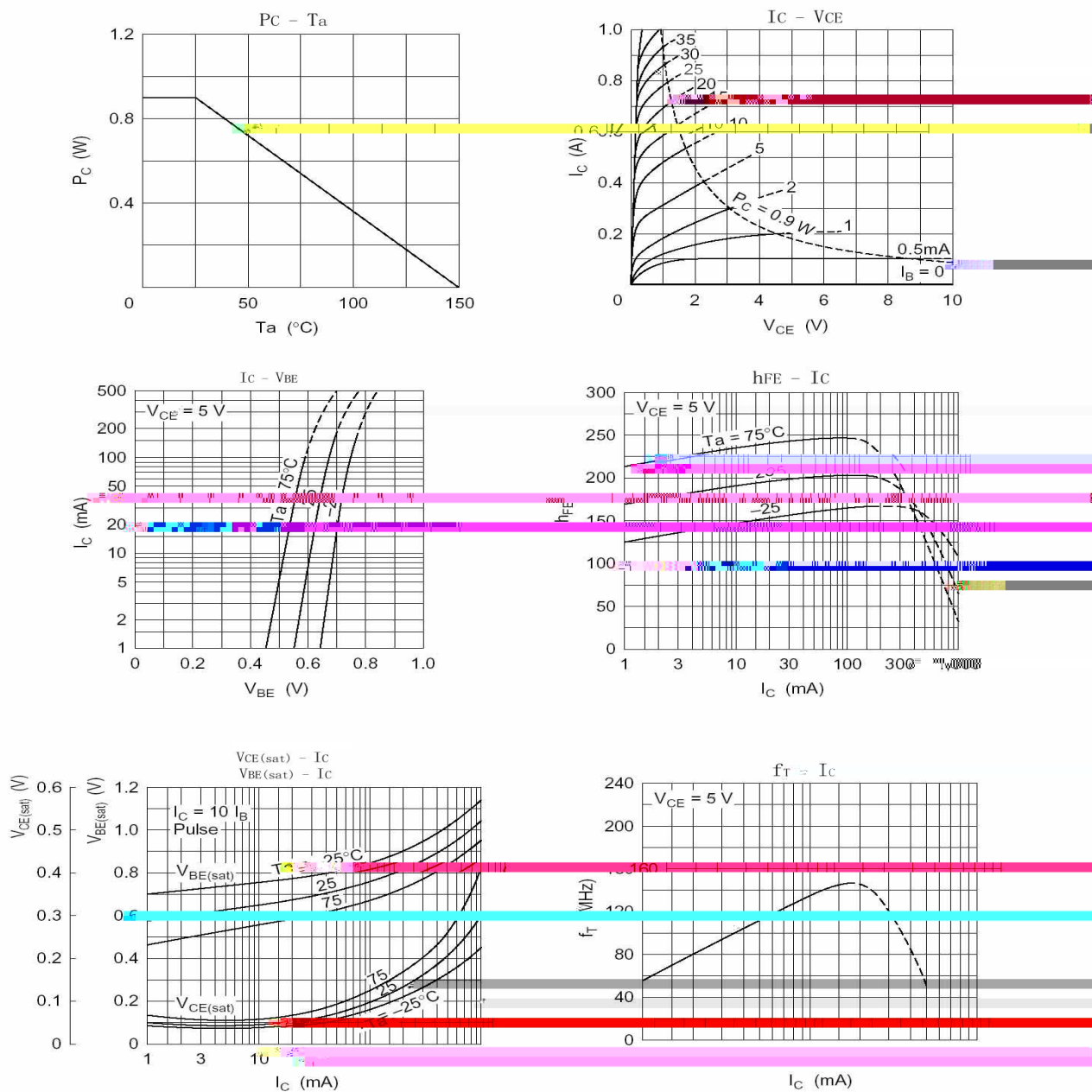
h_{FE} Classifications Symbol	B	C	D
h_{FE} Range	60 120	100 200	160 320
Marking	H67B * *	H67C * *	H67D * *

Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}		120	V
Collector to Emitter Voltage	V_{CEO}	2SD667T	80	V
		2SD667AT	100	
Emitter to Base Voltage	V_{EBO}		5.0	V
Collector Current (DC)	I_C		1.0	A
Collector Current (Pulse)	I_{CP}		2.0	A
Collector Power Dissipation	P_C		500	mW
Collector Power Dissipation*	$*P_C$		1.0	W
Junction Temperature	T_j		150	
Storage Temperature Range	T_{stg}		-55 150	

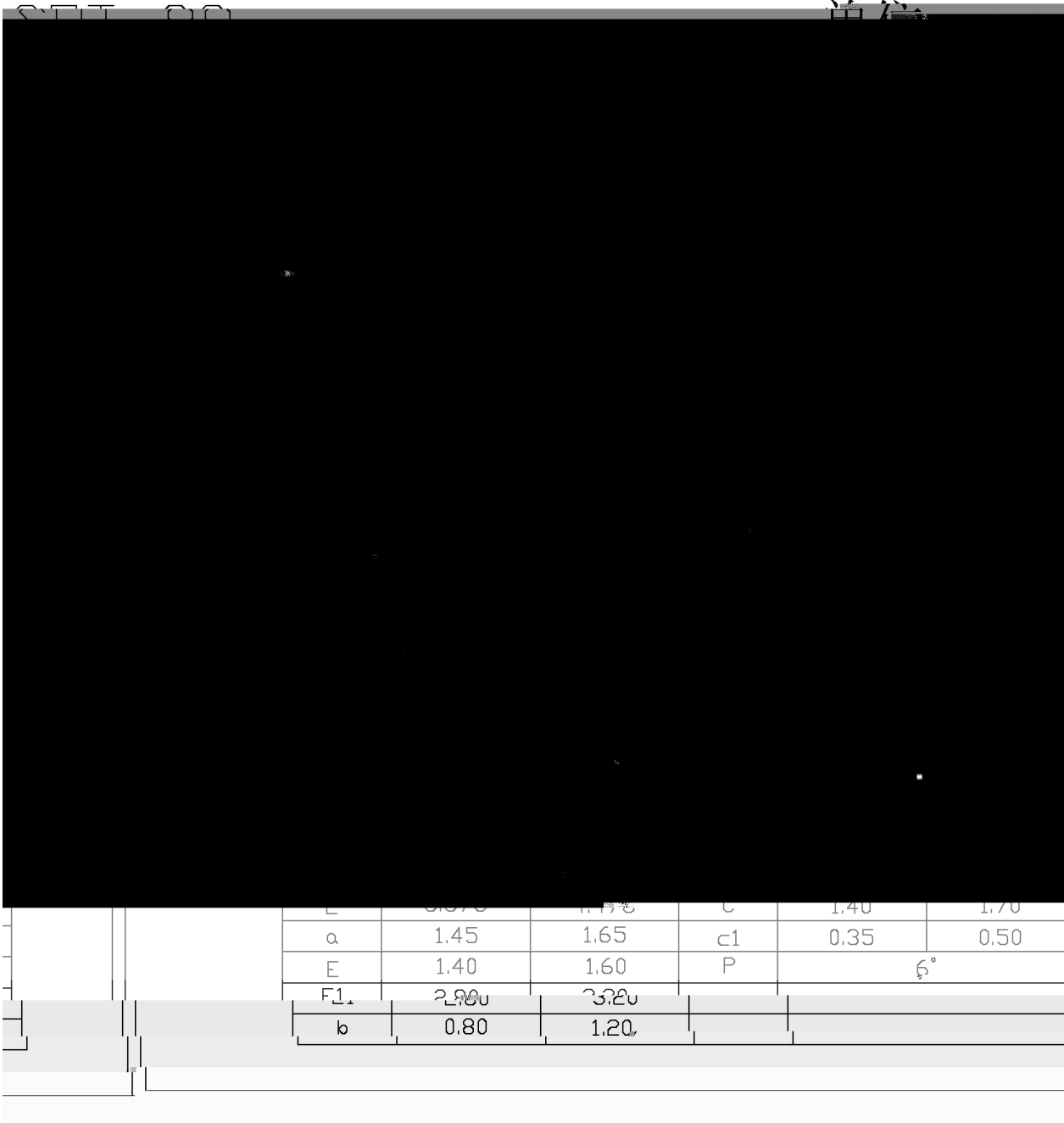
*:mounted on ceramic substrate(250mm²×0.8t).

* 250mm

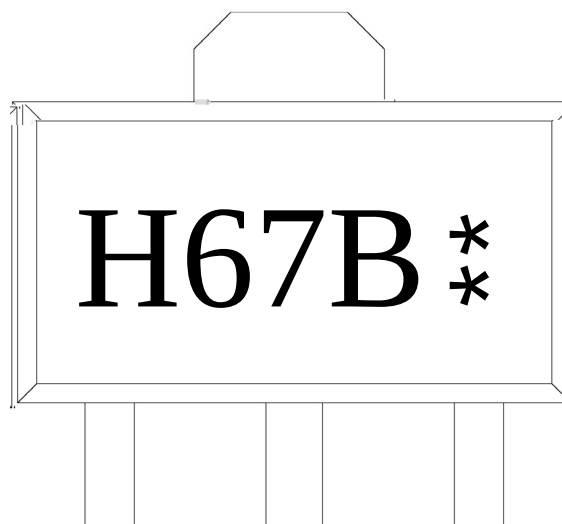
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



H:

67

B:

h_{FE}

**

Note:

H:

Company Code.

67:

Product Type.

B:

h_{FE} Classifications Symbol

**:

Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)