

FMMT491

Rev.G Jan.-20

描述 / Descriptions

SOT-23 NPN Silicon NPN transistor in a SOT-23 Plastic Package.

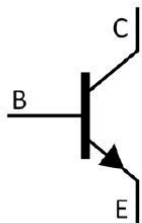
特征 / Features

FMMT591
low equivalent On-resistance, Complementary pair with FMMT591, HF Product.

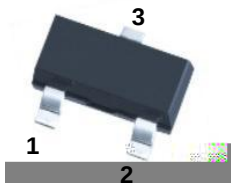
用途 / Applications

Medium power amplifier applications.

内部等效电路 / Equivalent Circuit



引脚排列 / Pinning



PIN1 Base PIN 2 Emitter PIN 3 Collector

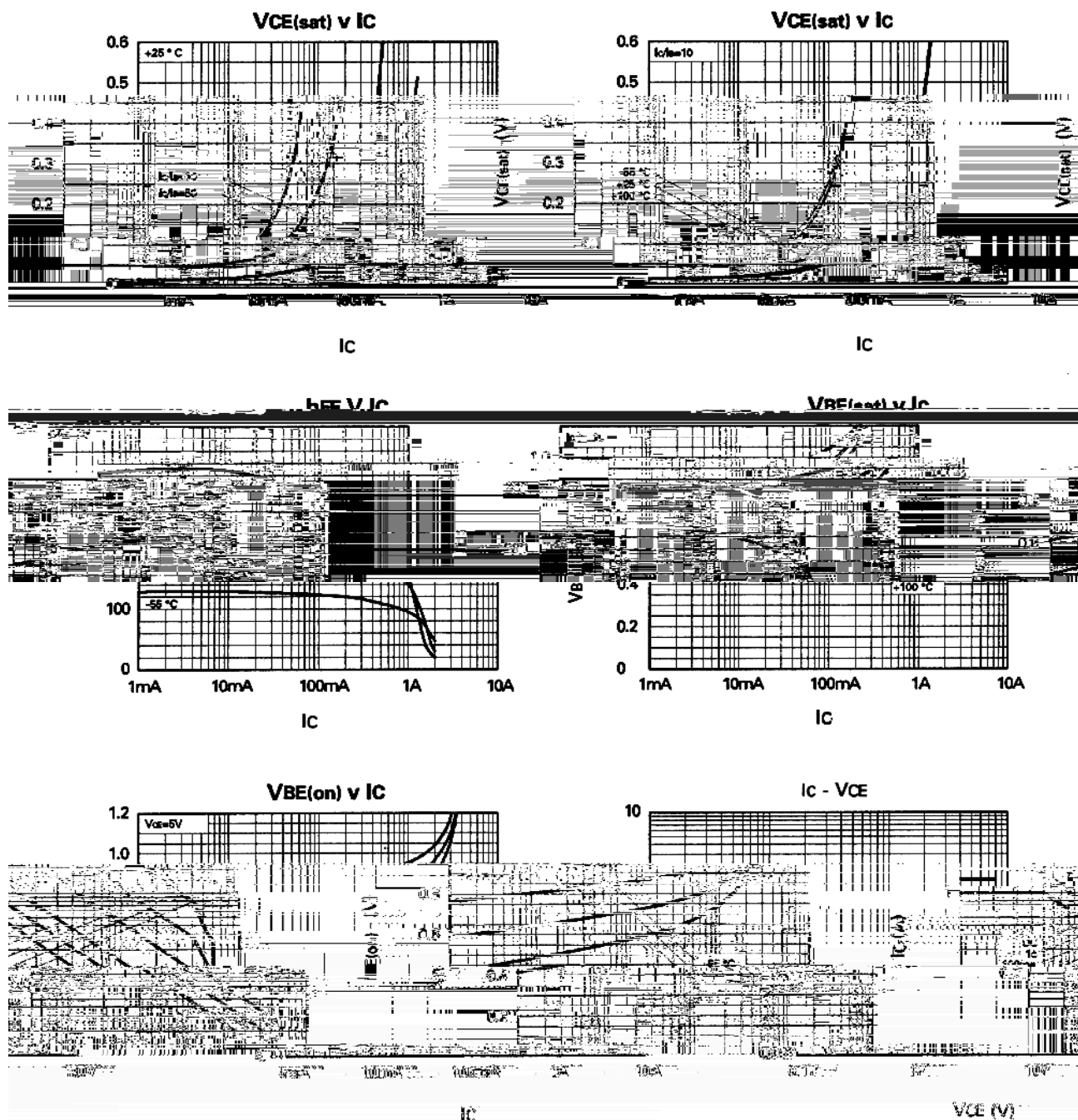
印章代码 / Marking

h_{FE} Range	100~300
Marking	H491

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	80	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	1.0	A
Peak Pluse Current	I_{CM}	2.0	A
Collector Power Dissipation	P_C	500	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

Parameter Symbol Test Conditions Mi0

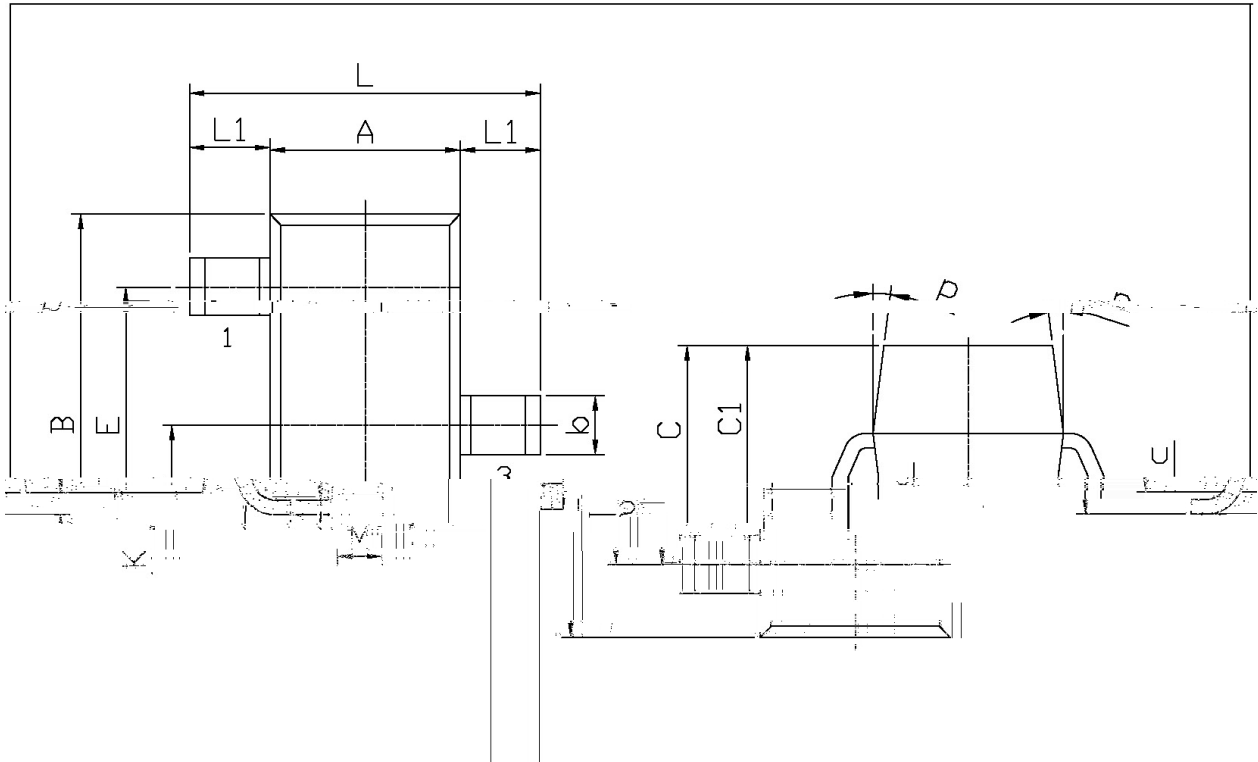
电参数曲线图 / Electrical Characteristic Curve



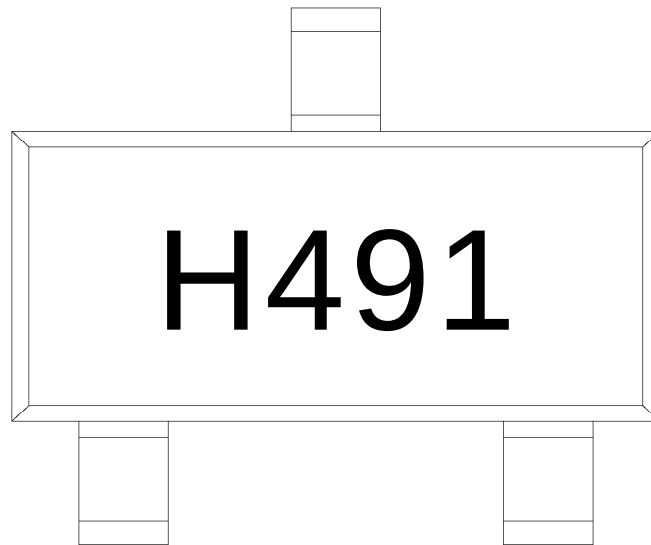
外形尺寸图 / Package Dimensions

SOT-23

单位: mm



印章说明 / Marking Instructions



H

491

Note:

H: Company Code.

491: Product Type Code.

回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- | | | | | | |
|---|-------|-----|-----------|--------|--|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | | 2 | 10°C/sec. | | 3. Cooling Speed: 2~10°C/sec. |

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

260±5°C	10±1 sec.	Temp.:260±5°C	Time:10±1 sec
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包装规格 / Packaging SPEC.

(unit: mm ³)	
Inner Box 盒	Outer Box 箱
260×120×180	390×385×205