

**/ Descriptions**

Silicon PNP transistor in a TO-18 Plastic Package.

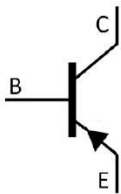
**/ Features**

Complementary pair with 2SC1162F.

**/ Applications**

Low frequency power amplifier applications.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Emitter      PIN 2 Collector      PIN 3 Base

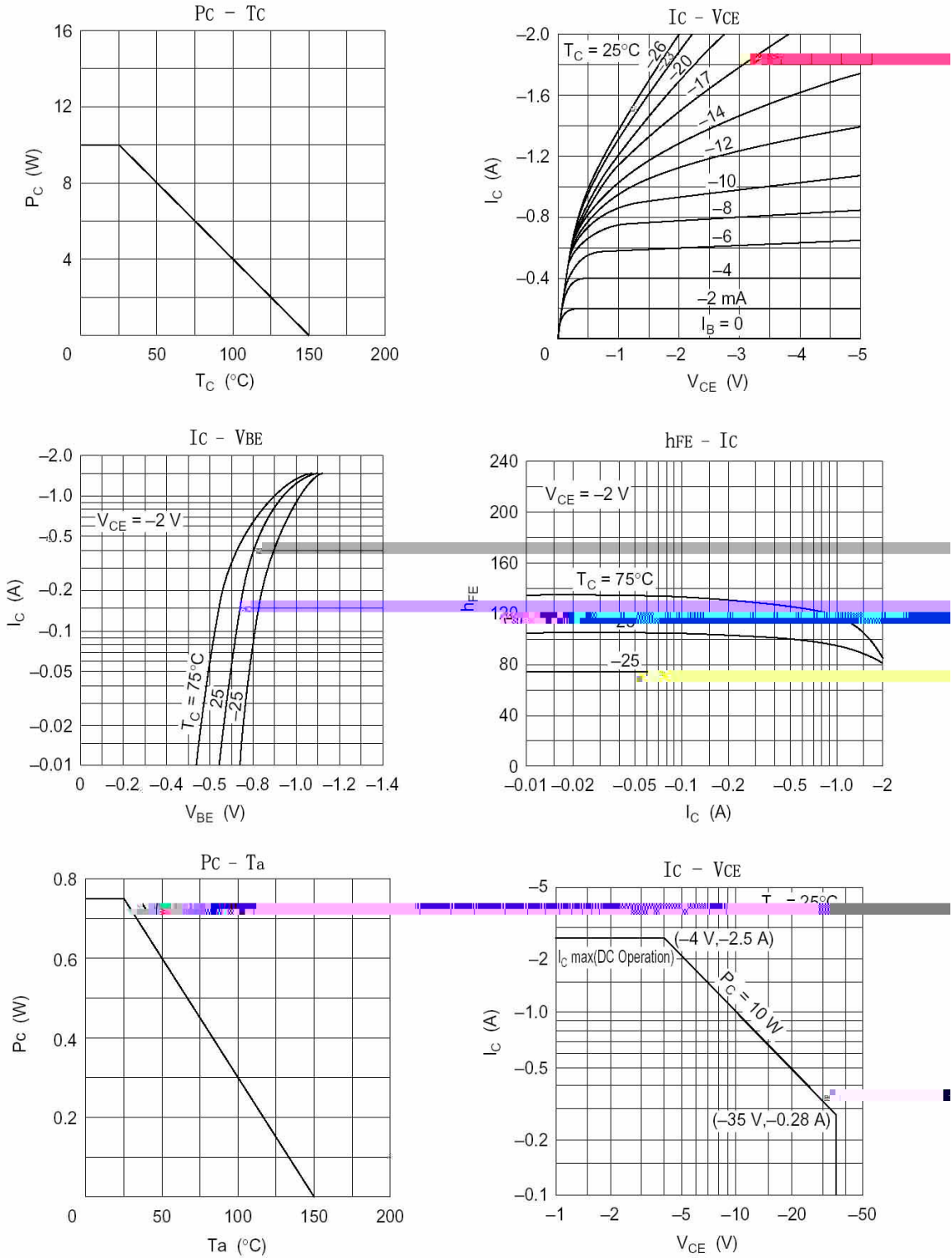
**/  $h_{FE}$  Classifications & Marking**

$h_{FE}$ Classifications Symbol	B	C	D
$h_{FE}$ Range	60 120	100 200	160 320

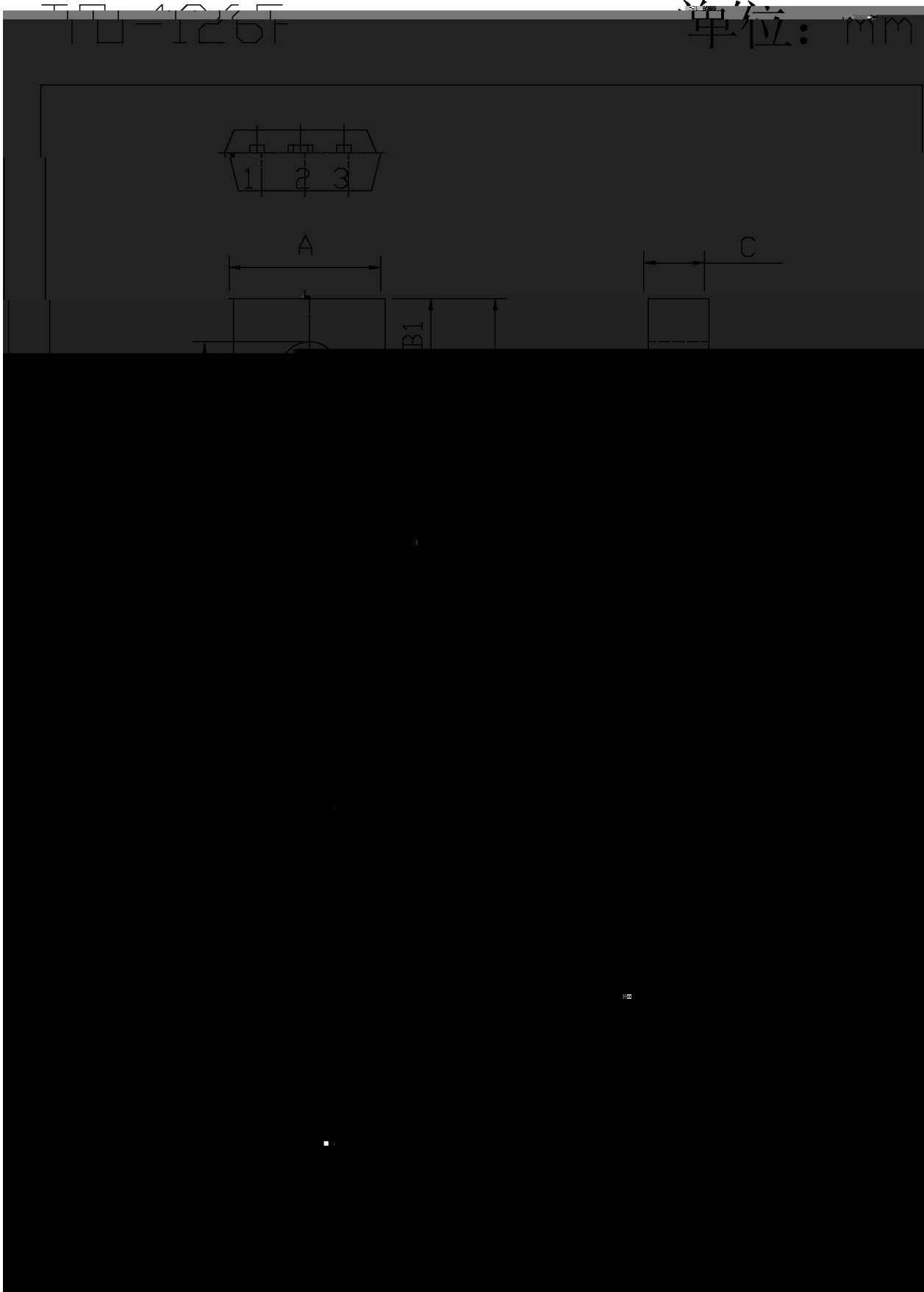
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-35	V
Collector to Emitter Voltage	$V_{CEO}$	-35	V
Emitter to Base Voltage	$V_{EBO}$	-5	V
Collector Current - Continuous	$I_C$	-2.5	A
Collector Current – Continuous(Pulse)	$I_{CP}$	-3	A
Collector Power Dissipation	$P_C$	750	mW
Collector Power Dissipation	$P_C(T_c=25^\circ\text{C})$	10	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C=-1\text{mA}$ $I_E=0$	-35			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=-10\text{mA}$ $R_{BE}=\infty$	-35			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E=-1\text{mA}$ $I_C=0$	-5			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=-35\text{V}$ $I_E=0$			-20	$-20\mu\text{A} = 0$

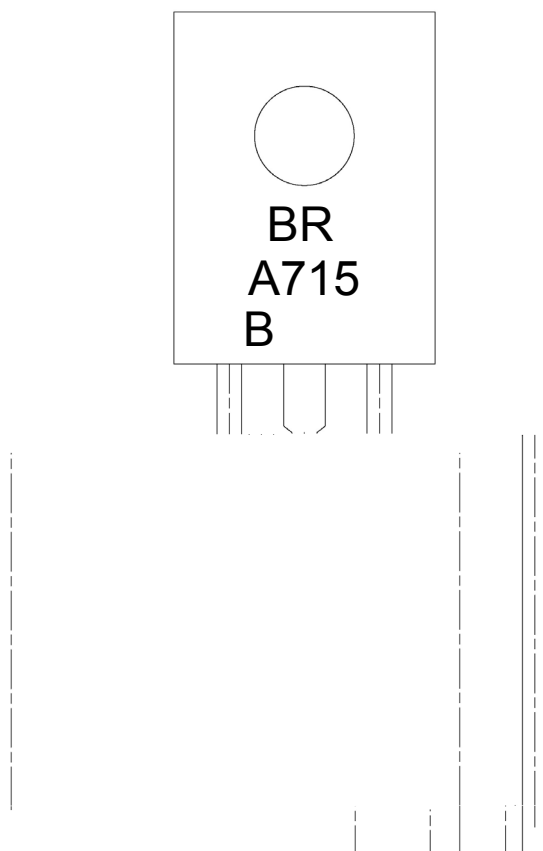
**/ Electrical Characteristic Curve**



/ Package Dimensions



/ Marking Instructions



Note:

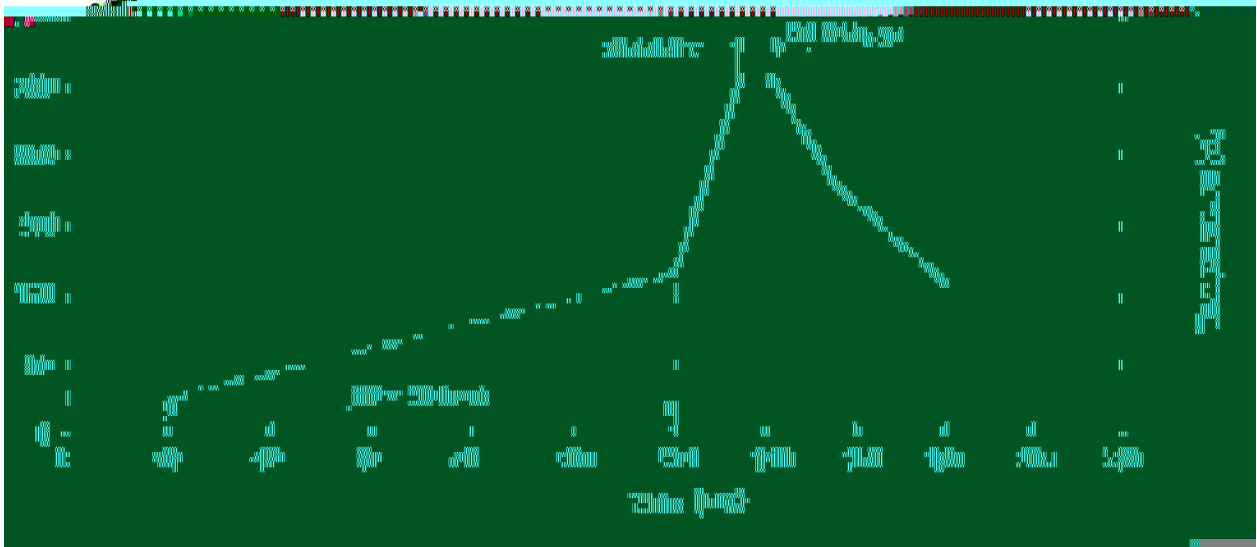
BR: Company Code

A715: Product Type.

B:  $h_{FE}$  Classifications Symbol

\*\*\*\*: Lot No. Code, code change with Lot No.

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



Note:

- |   |     |     |    |          |   |
|---|-----|-----|----|----------|---|
| 1 | 25  | 150 | 60 | 90sec;   | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 255 | 5   | 5  | 0.5sec;  | 2.Peak Temp.:255 5 , Duration:5 0.5sec. |
| 3 |     |     | 2  | 10 /sec. | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

270 5                      10 1 sec.                      Temp.:270±5                      Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱

/ TUBE

Package Type 封装形式	Units 包装数量	Dimension 包装尺寸 (unit: mm <sup>3</sup> )