

TO-92LM

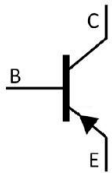
PNP

Silicon PNP transistor in a TO-92LM Plastic Package.

2SC2235

Complementary pair with 2SC2235.

Power amplifier applications, driver stage amplifier applications.



PIN1 Base

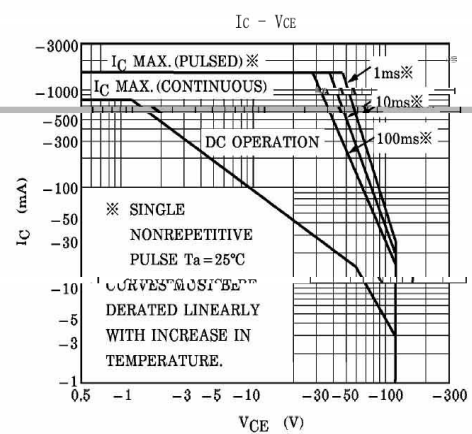
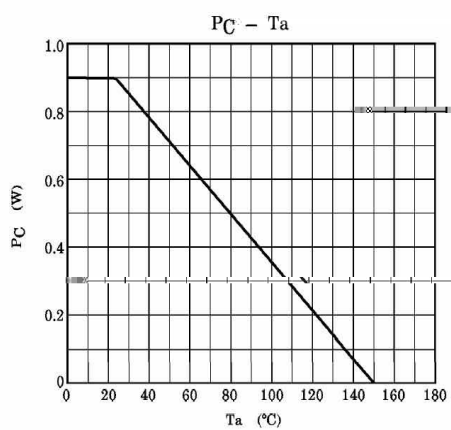
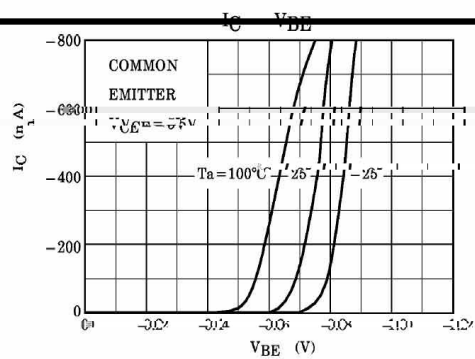
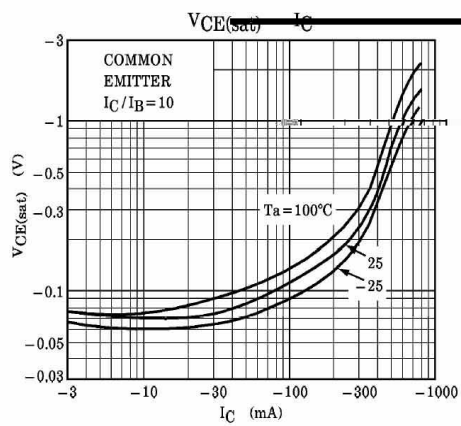
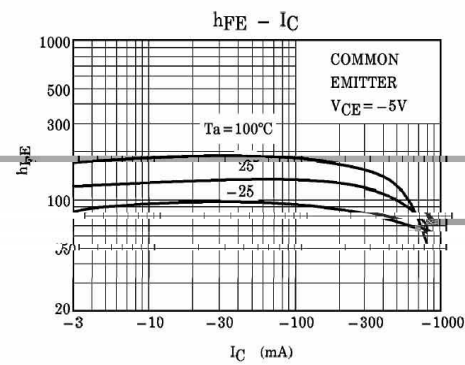
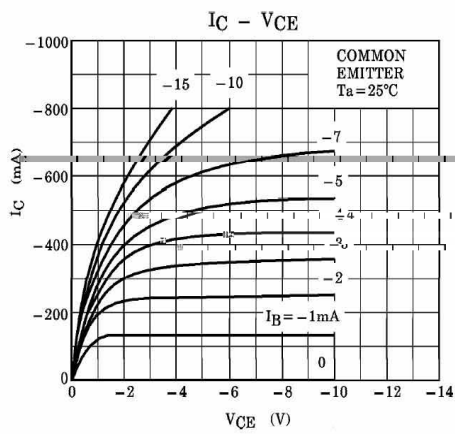
PIN 2 Collector

PIN 3 Emitter

h_{FE} Classifications Symbol	O	Y
h_{FE} Range	80~160	120~240

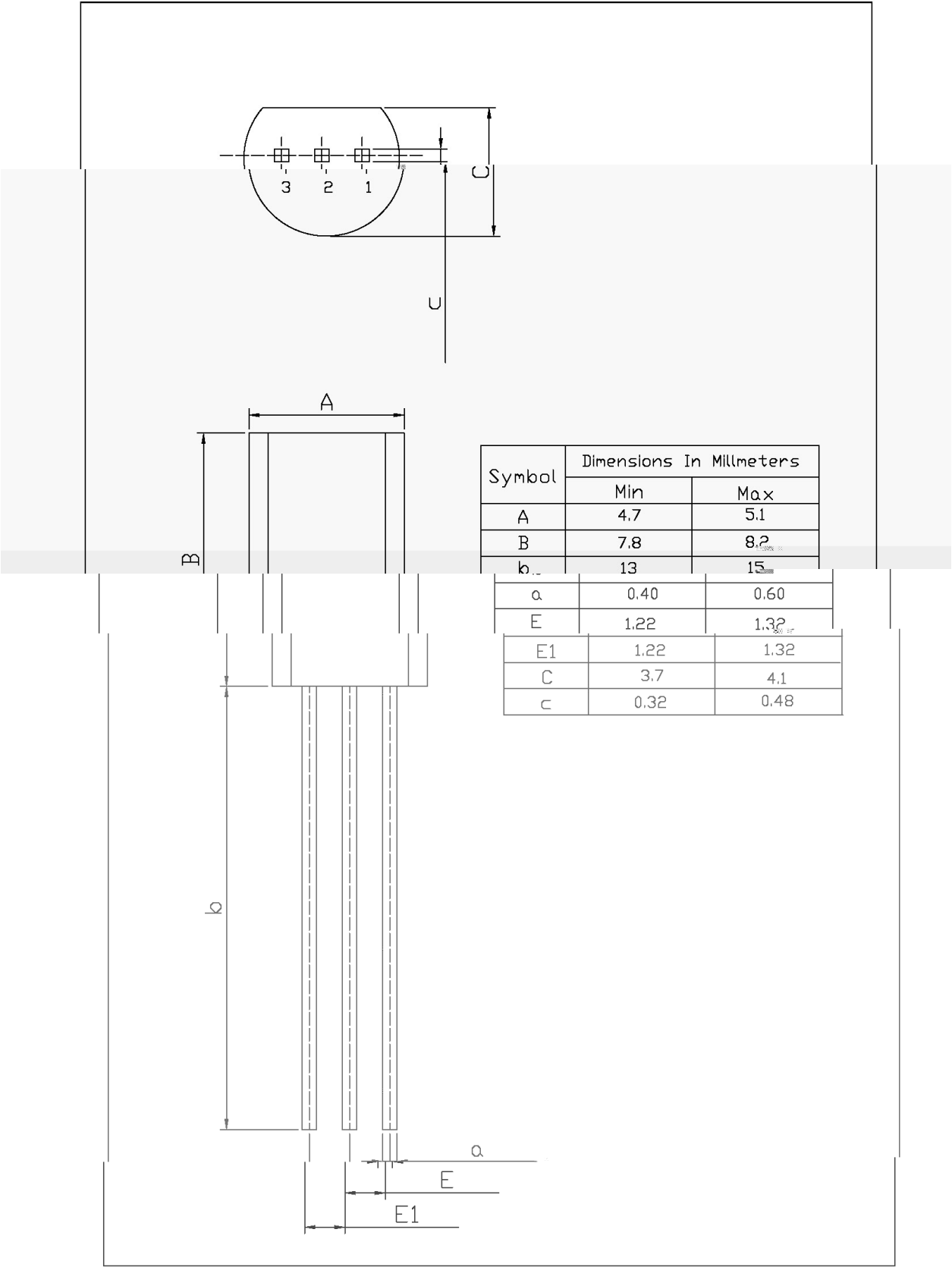
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-120	V
Collector to Emitter Voltage	V_{CEO}	-120	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-800	mA
Emitter Current - Continuous	I_E	800	mA
Collector Power Dissipation	P_C	900	mW
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

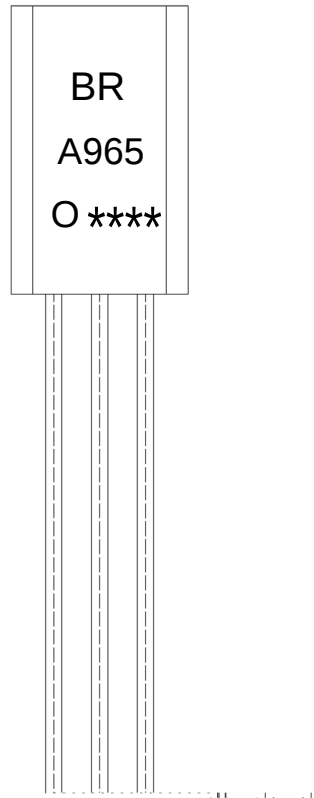
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -10mA$ $I_B = 0$	-120			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -1.0mA$ $I_C = 0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -120V$ $I_E = 0$			-0.1	A
Emitter Cut-Off Current	I_{EBO}	$V_{EB} = -5.0V$ $I_C = 0$			-0.1	A
DC Current Gain	h_{FE}	$V_{CE} = -5.0V$ $I_C = -100mA$	80		240	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -500mA$ $I_B = -50mA$			-1.0	V
Base to Emitter Voltage	V_{BE}	$V_{CE} = -5.0V$ $I_C = -500mA$			-1.0	V
Transition Frequency	f_T	$V_{CE} = -5.0V$ $I_C = -100mA$		120		MHz
Collector output capacitance	C_{ob}	$V_{CB} = -10V$ $I_E = 0$ $f = 1.0MHz$			40	pF



T0-92LM

Unit: mm





BR:

A965

O: h_{FE}

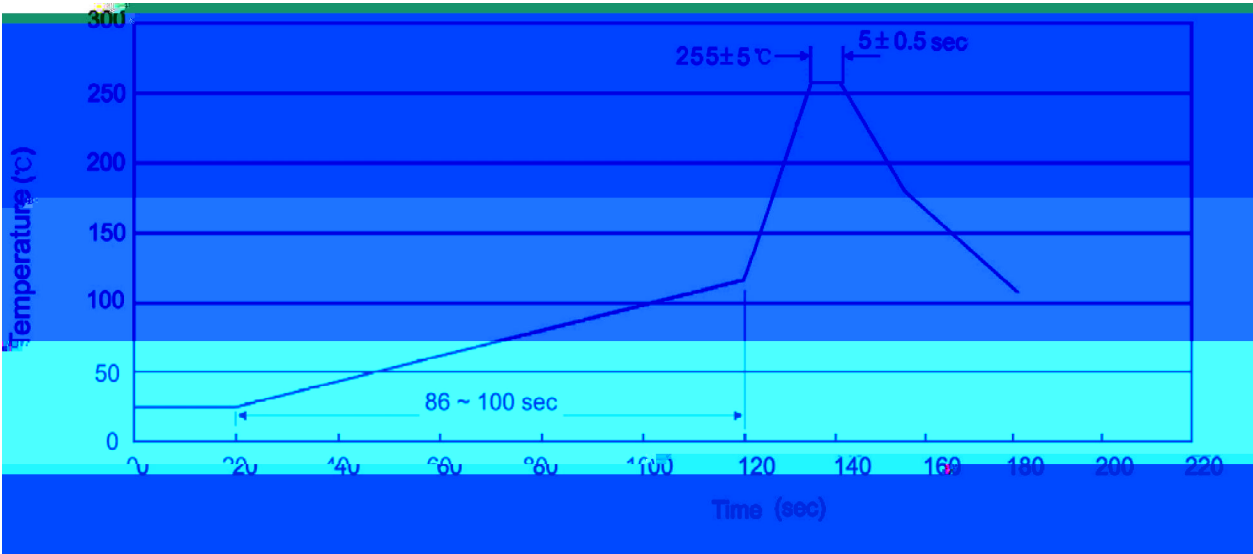
Note:

BR: Company Code.

A965: Product Type.

O: h_{FE} Classifications Symbol

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



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92LM	1,000	8	8,000	5	40,000	135×190	237×172×102	560×245×195