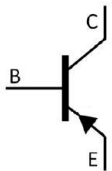


TO-92LM PNP Silicon PNP transistor in a TO-92LM Plastic Package.

3DG5609
Low saturation voltage, complementary pair with 3DG5609.

Power amplifier and switching electronic application, governor applications.



PIN1 Base PIN 2 Collector PIN 3 Emitter

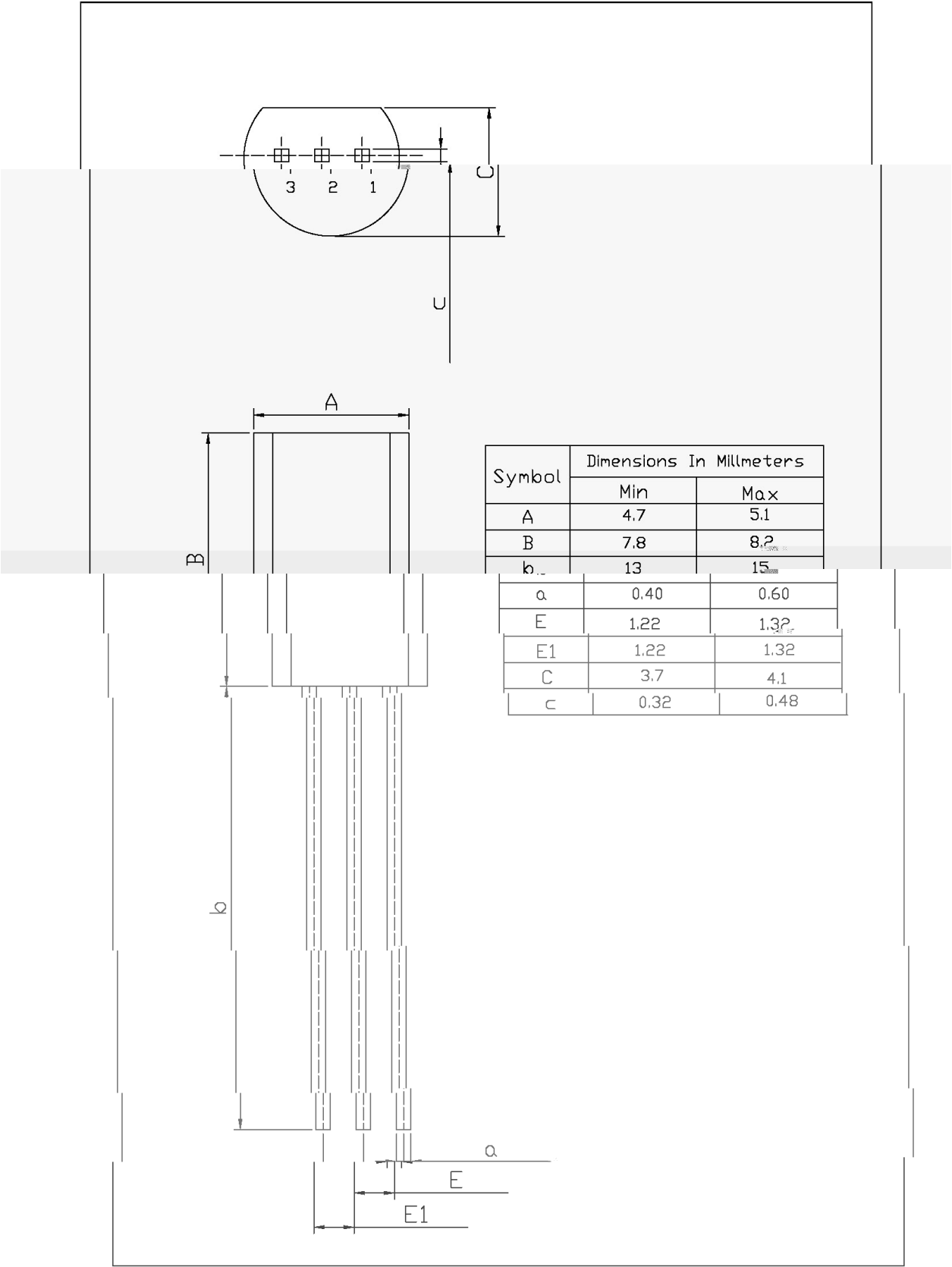
h_{FE} Classifications

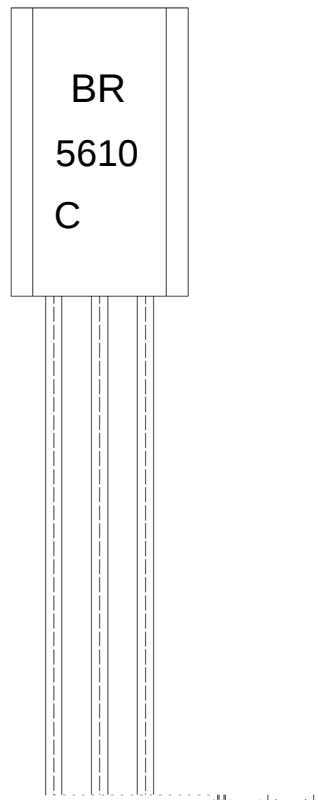
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-25	V
Collector to Emitter Voltage	V_{CEO}	-20	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current (DC)	I_C	-1.0	A
Collector Power Dissipation	P_C	900	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -10\text{ A}$ $I_E = 0$	-25			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -1.0\text{mA}$ $I_B = 0$	-20			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -10\text{ A}$ $I_C = 0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -25\text{V}$ $I_E = 0$			-1.0	A
Emitter Cut-Off Current	I_{EBO}	$V_{EB} = -5.0\text{V}$ $I_C = 0$			-1.0	A
DC Current Gain	$h_{FE(1)}$	$V_{CE} = -2.0\text{V}$ $I_C = -0.5\text{A}$	60		240	
	$h_{FE(2)}$	$V_{CE} = -2.0\text{V}$ $I_C = -1.0\text{A}$	30			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -800\text{mA}$ $I_B = -80\text{mA}$			-0.5	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -800\text{mA}$ $I_B = -80\text{mA}$			-1.2	V
Transition Frequency	f_T	$V_{CE} = -2.0\text{V}$ $I_C = -500\text{mA}$	80			MHz
Collector output capacitance	C_{ob}	$V_{CB} = -10\text{V}$ $f = 1.0\text{MHz}$ $I_E = 0$		15		pF

T0-92LM

Unit: mm





BR:

5610

C: h_{FE}

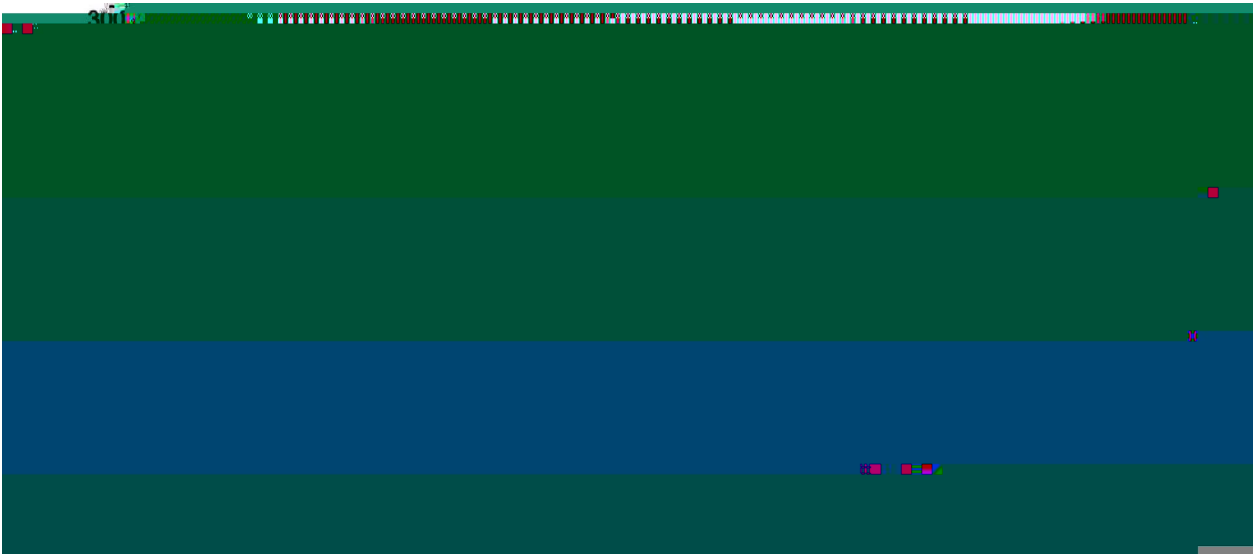
Note:

BR: Company Code.

5610: Product Type.

C: h_{FE} Classifications Symbol

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



- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- Note:

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	Units					Dimension		(unit mm3)

/ AMMO

Package Type	Units					Dimension		(unit mm3)