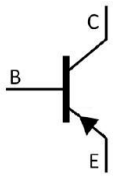
Silicon PNP transistor in a TO-92LM Plastic Package.

High breakdown voltage, Excellent linearity of h_{FE} and small C_{ob}, Fast switching speed complementary pair with 2SC2910.

High voltage switching, Audio 80W output pre-driver applications.

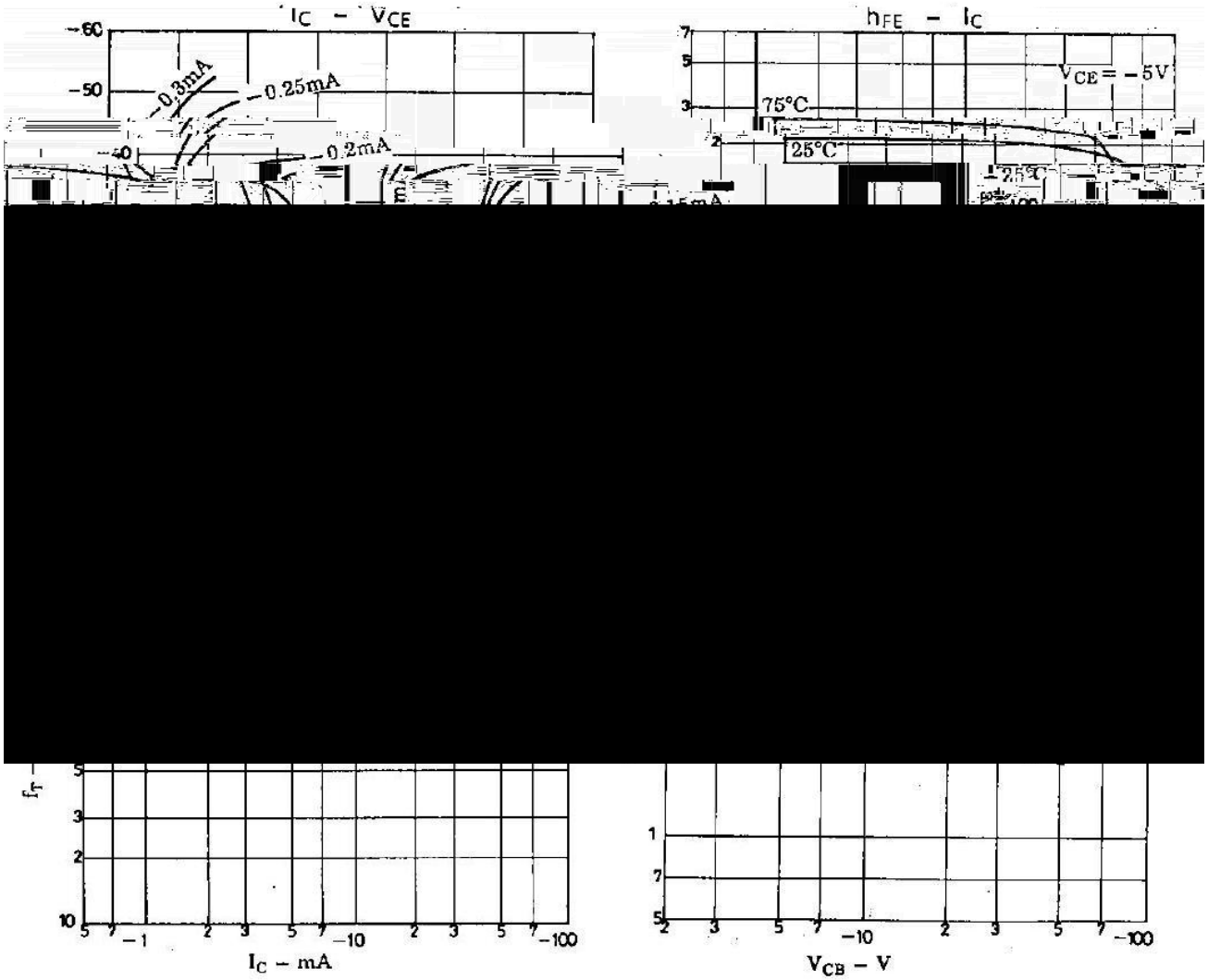


PIN1 Base PIN 2 Collector PIN 3 Emitter

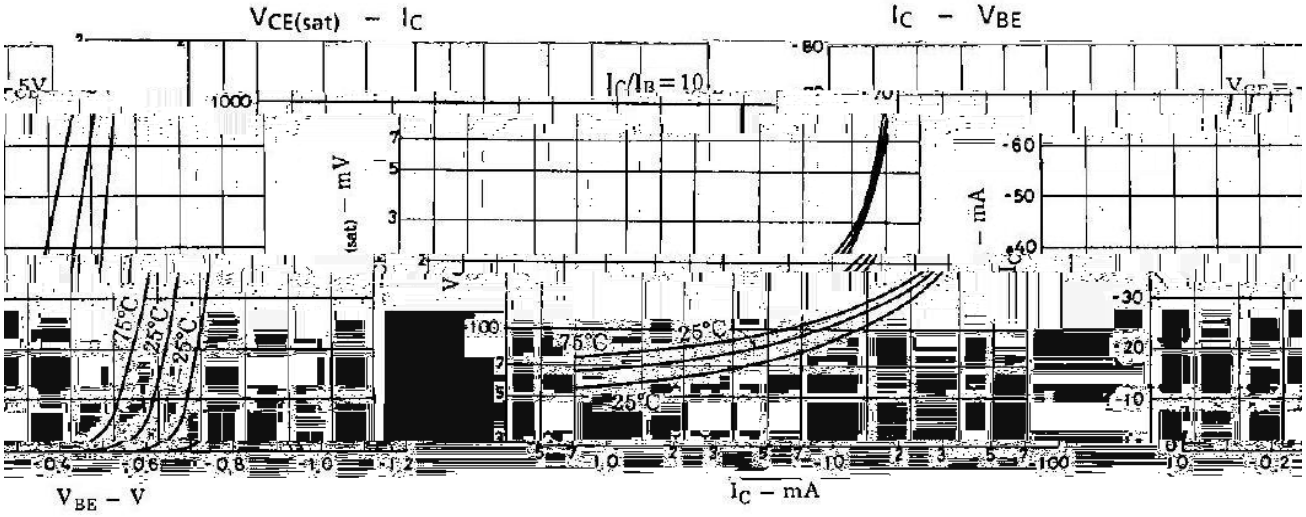
h_{FE} Classifications Symbol	R	S	T
h_{FE} Range	100~200	140~280	200~400

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-180	V
Collector to Emitter Voltage	V_{CEO}	-160	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-70	mA
Collector Current – Continuous(Pulse)	I_{CP}	-140	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 Cut-Off Current	I_{CBO}	V_{CB}=-80V I_E=0			-0.1	μA
Emitter Cut-Off Current	I_{EBO}	V_{CB}=-4V I_C=0			-0.1	μA
DC Current Gain	h_{FE}	V_{CE}=-5V I_C=-10mA	100		400	
Transition Frequency	f_T	V_{CE}=-10V I_C=-10mA		150		MHz
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-30mA I_B=-3.0mA		-0.14	-0.4	V
Collector output capacitance	C_{ob}	V_{CB}=-10V f=1.0MHz		2.5		pF
Turn-On Time	t_{on}	I_C=-10I_{B1}=10I_{B2}=-10mA		0.1		μs
Fall Time	t_f	I_C=-10I_{B1}=10I_{B2}=-10mA		0.2		μs
Storage Time	t_{stg}	I_C=-10I_{B1}=10I_{B2}=-10mA		1.0		μs

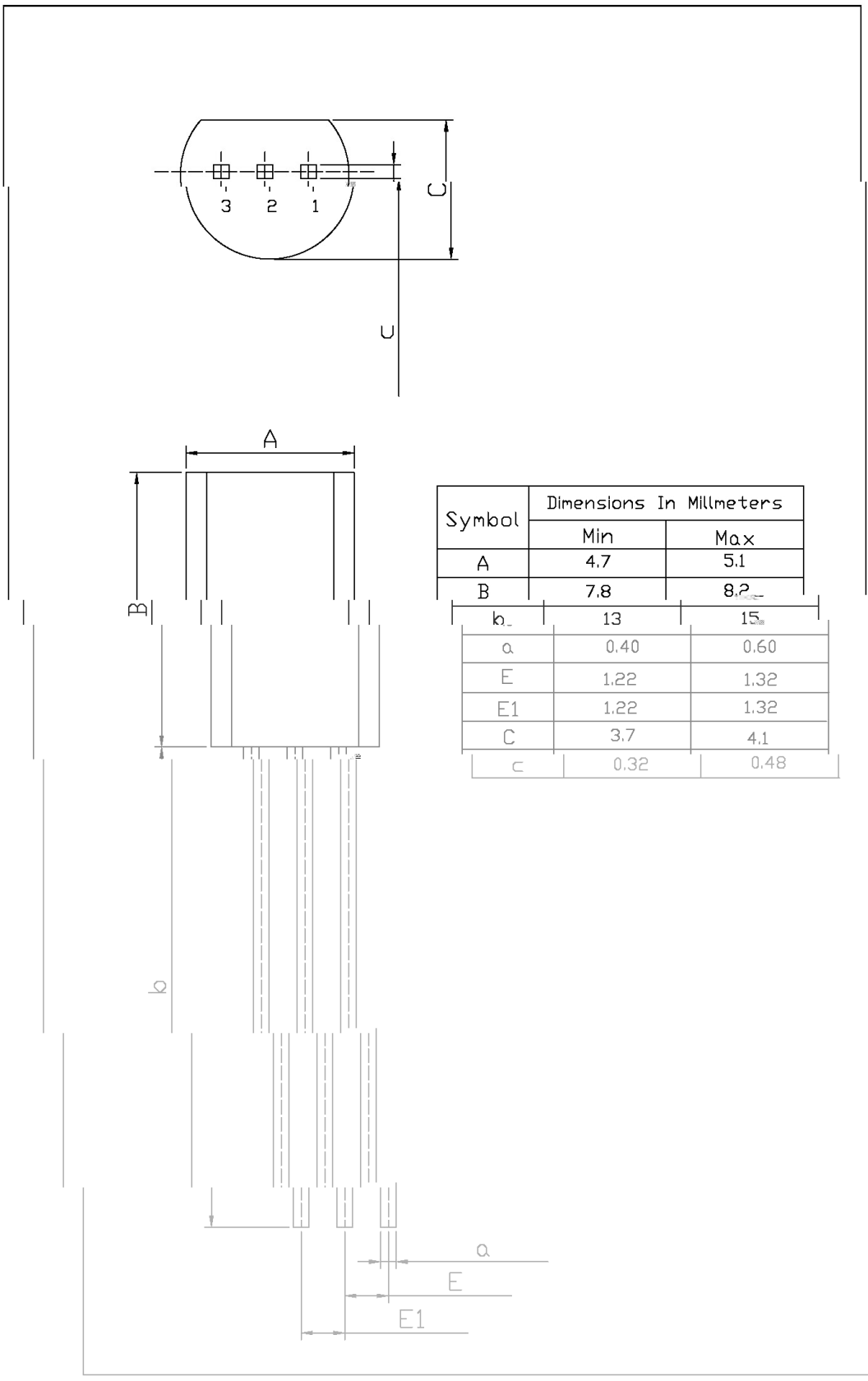

IC – VCE
-60
-50
-40
-0.3mA
-0.25mA
-0.2mA
hFE – IC
VCE = –5V
75°C
25°C
–25°C

IC – mA
VCB – V

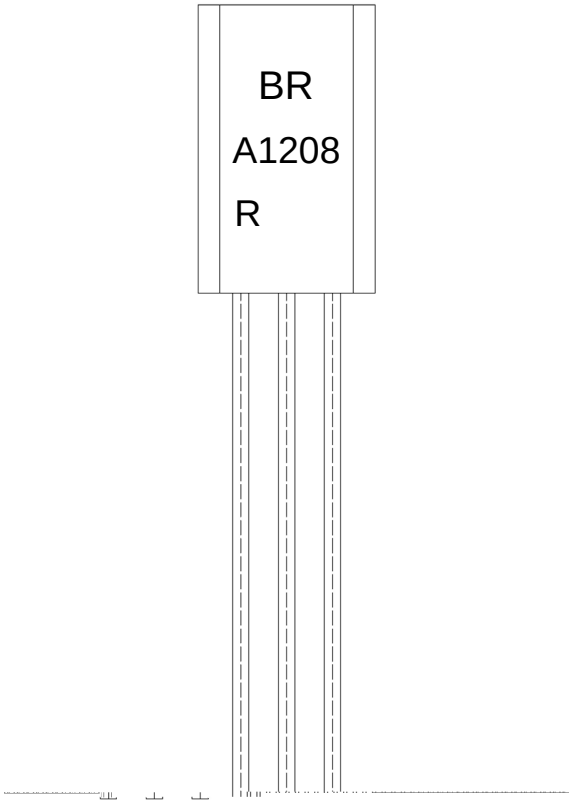

VCE(sat) – IC
IC/IB = 10
IC – VBE
VCE = –5V
75°C
25°C
–25°C
VBE – V
IC – mA

TO-92LM

Unit: mm

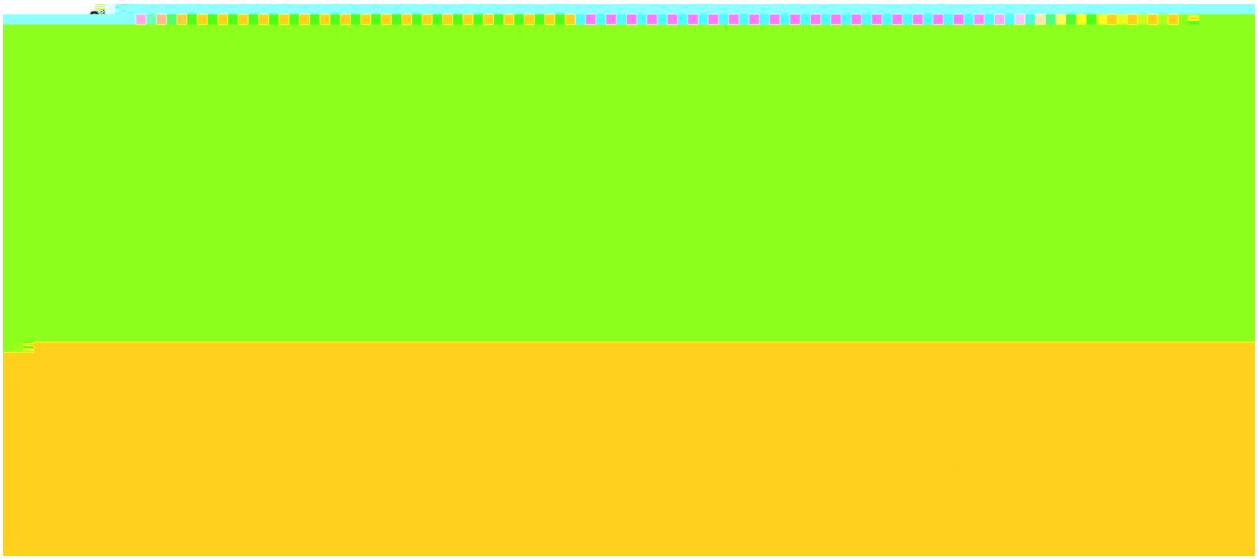


Symbol	Dimensions In Millmeters	
	Min	Max
A	4.7	5.1
B	7.8	8.2
b	13	15
a	0.40	0.60
E	1.22	1.32
E1	1.22	1.32
C	3.7	4.1
c	0.32	0.48



Note:

BR:	Company Code.
A1208:	Product Type.
R:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.



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.

Note:

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)		
	只 袋	袋 盒	只 盒	盒 箱	只 箱	袋	盒	箱

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	只 纸带	纸带 盒	纸带层 盒	盒 箱	只 箱	盒	箱
							小箱 大箱