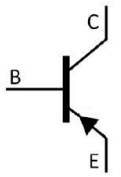
TO-92LM PNP Silicon PNP transistor in a TO-92LM Plastic Package.

KSC2328A

Complementary pair with KSC2328A.

Audio frequency amplifier applications.

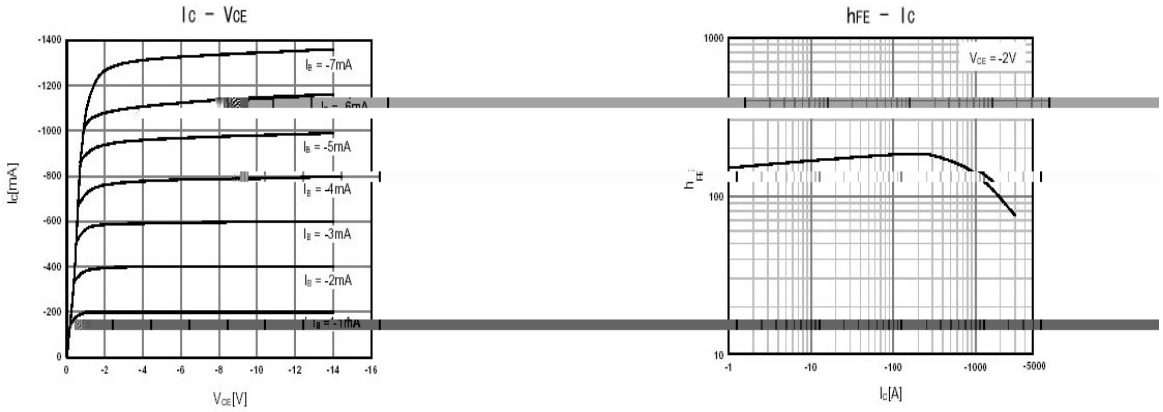


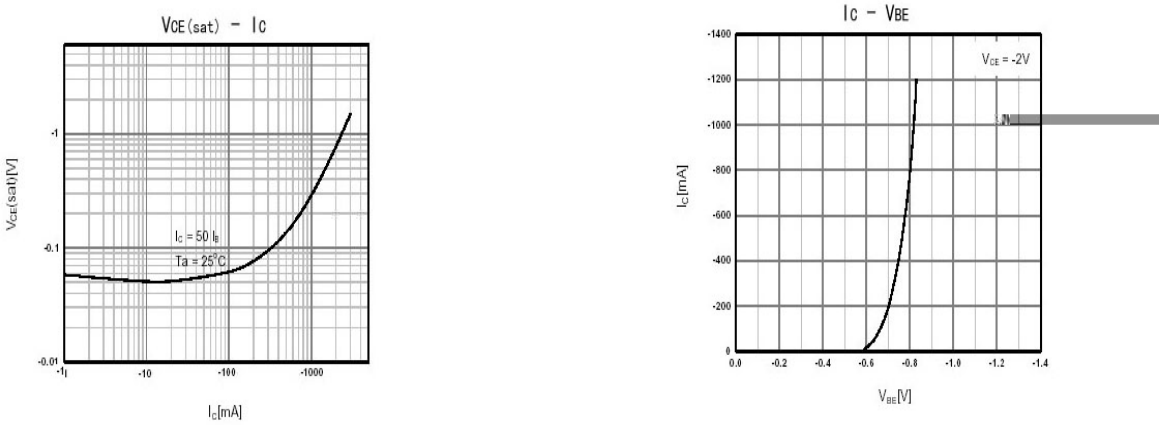
PIN1 Base PIN 2 Collector PIN 3 Emitter

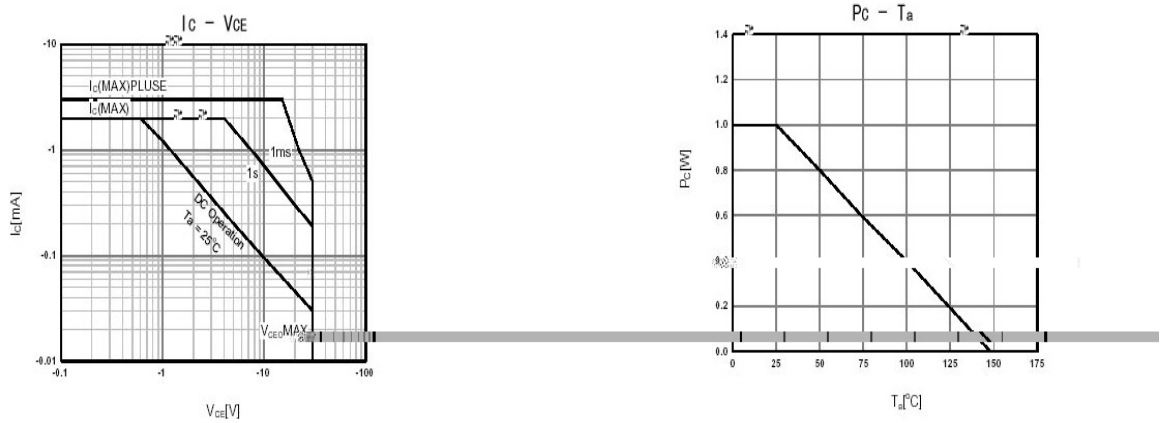
h_{FE} Classifications Symbol	O	Y
h_{FE} Range	100~200	160~320

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-30	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current - Continuous	I_C	-2	A
Collector Power Dissipation	P_C	1	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=-100 A I_E=0	-30			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-10mA I_B=0	-30			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-1mA I_C=0	-5			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-30V I_E=0			-0.1	A
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-5V I_C=0			-0.1	A
DC Current Gain	h_{FE}	V_{CE}=-2V I_C=-500mA	100		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-1.5A I_B=-0.03A			-2	V
Base to Emitter Voltage	V_{BE}	V_{CE}=-2V I_C=-500mA			-1	V
Transition Frequency	f_T	V_{CE}=-2V I_C=-500mA		120		MHz
Collector output capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1MHz		48		pF

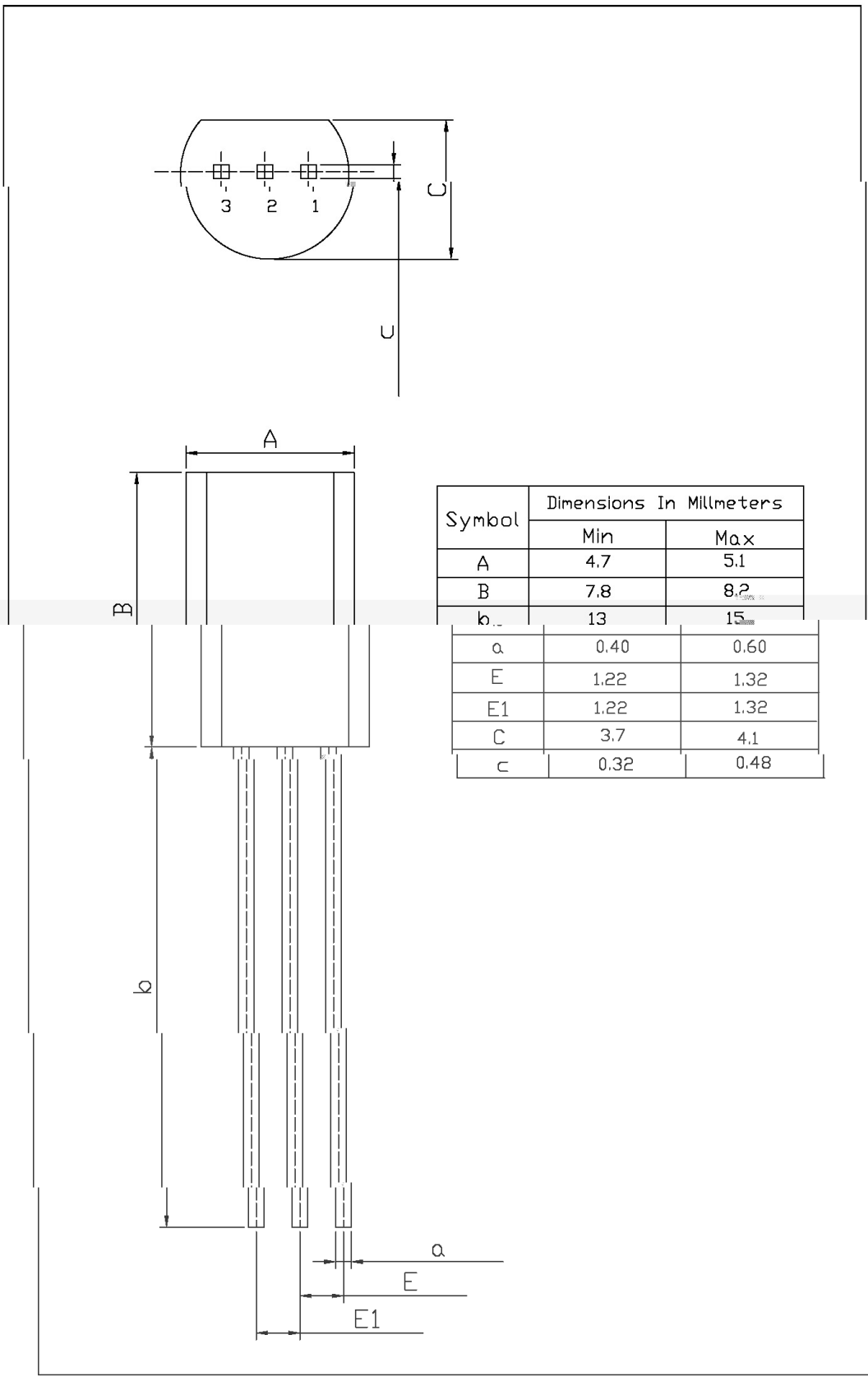

Ic - VCE
IB = -7mA
IB = -6mA
IB = -5mA
IB = -4mA
IB = -3mA
IB = -2mA
IB = -1mA
IC[mA]
VCE[V]
hFE - Ic
VCE = -2V
hFE
IC[A]


VCE(sat) - Ic
IC = 50 IB
Ta = 25°C
VCE(sat)[V]
IC[mA]
Ic - VBE
VCE = -2V
2N
IC[mA]
VBE[V]

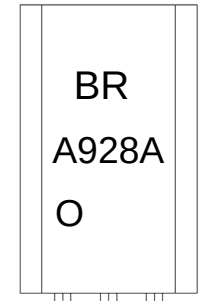

Ic - VCE
IC(MAX)PLUSE
IC(MAX)
1ms*
1s
DC Operation
Ta = 25°C
VCEO(MAX)
IC[mA]
VCE[V]
Pc - Ta
PC[W]
Ta[°C]

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



BR:

A928A

O: h_{FE}

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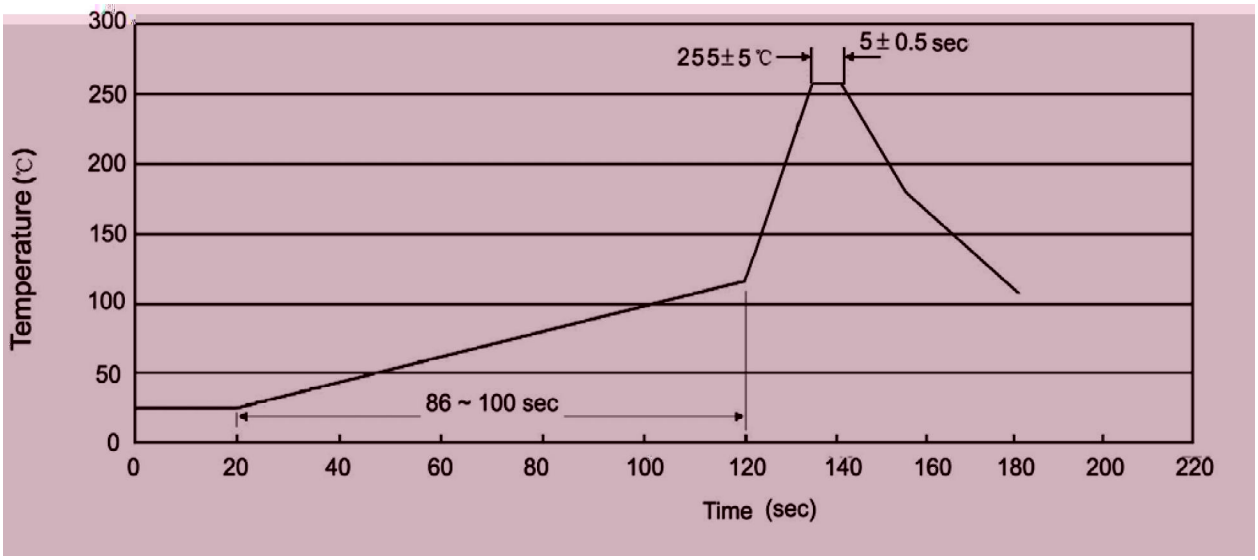
Note:

BR:	Company Code.
A928A:	Product Type.
O:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.



	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.

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