KTA1281

Rev.E Mar.-2016

DATA SHEET

WR0<50P ṂṂ Ŀ SQS ᴁṀ ɥ s Ⅱ ᄀ Silicon PNP transistor in a TO-92LM Plastic Package.

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Low collector saturation, high speed switching time, complementary to KTC3209.

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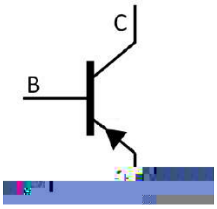
Power amplifier and switching applications.



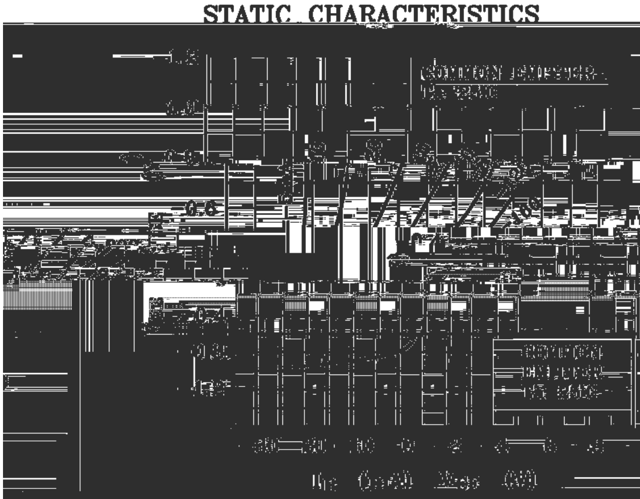
PIN1 χ Base PIN 2 χ Collector -1382alec4lec040607e71 Tf2.2229 0 TD0 Tf1 Tf2.2229 0 T4MarE73

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-2.0	A
Collector Power Dissipation	P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

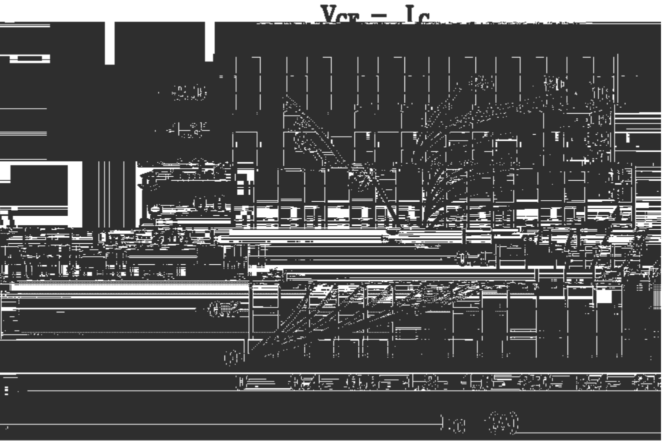
Parameter	Symbol	Test Conditions	Min

/ Electrical Characteristic Curve

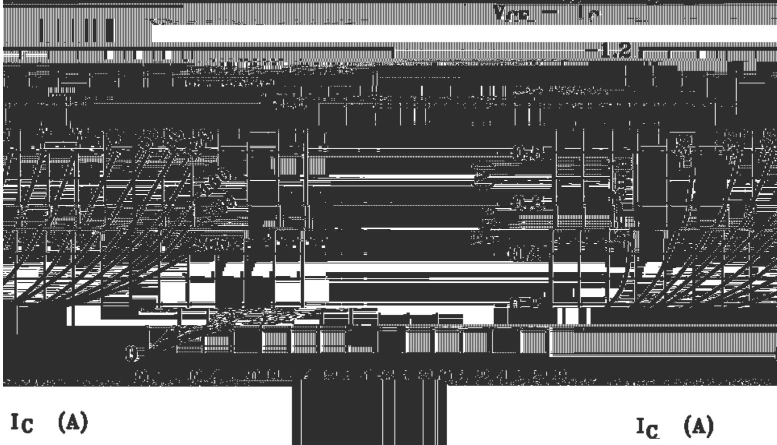
STATIC CHARACTERISTICS



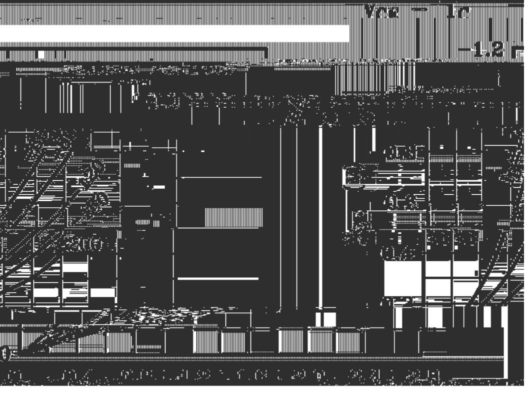
VCE – IC



VCE – IC



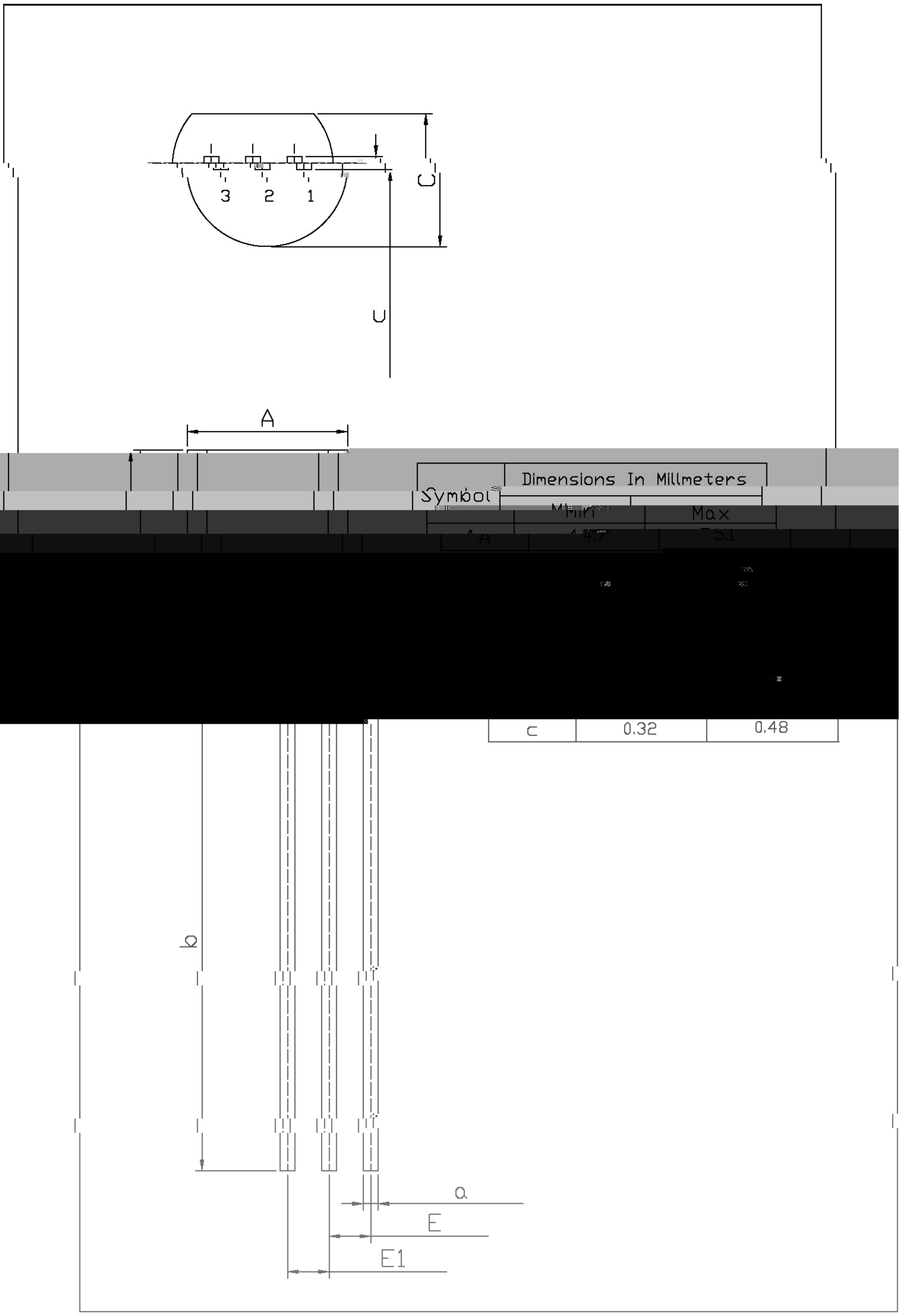
VCE – IC



hFE – IC

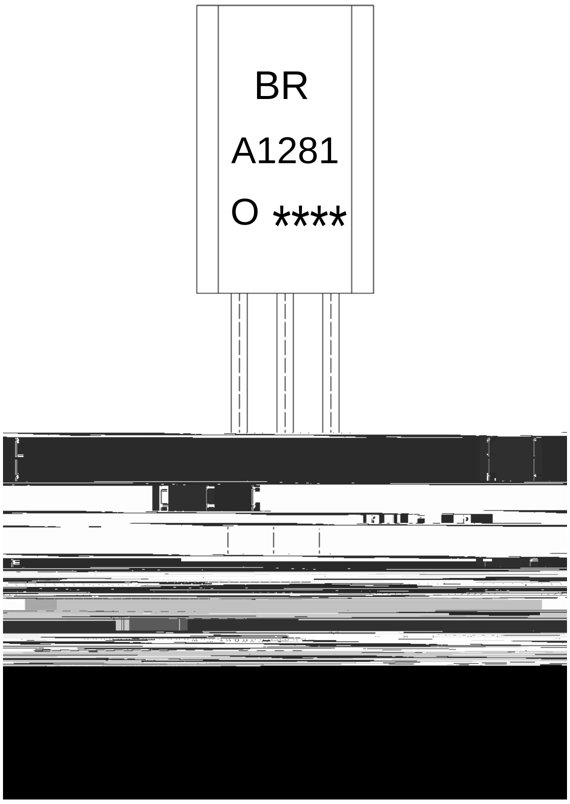
/ Package Dimensions

TO-92LM Unit: mm



Symbol	Dimensions In Millmeters	
	Min	Max
[redacted]	[redacted]	[redacted]
c	0.32	0.48

/ Marking Instructions



ب ˝ χ

EU꞊ ꞏꞏ ꞏ ꞏ ꞏ

D45 ; 4 χ

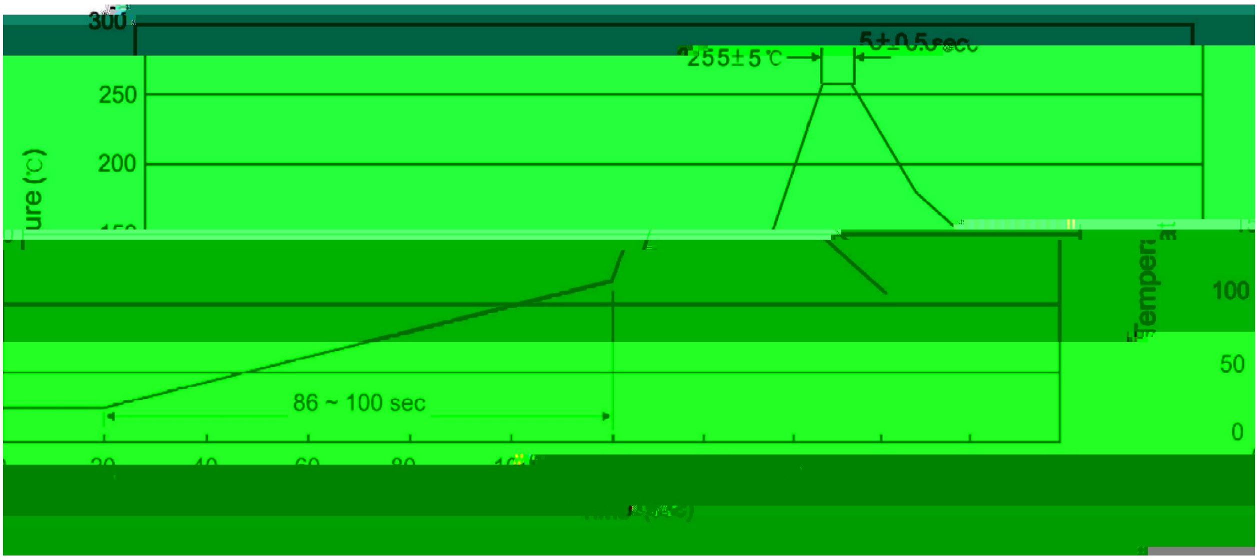
R꞊

- - - - χ

Note:

BR:	Company Code.
A1281:	Product Type.
O:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

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



ب ˝ χ

1 ʅ ♬ □ ẙ 25 Ḱ 150 ł ι ʿH ڑ 60 Ḱ 90sec;

2 Ś Ӫ □ ẙ 255 ° 5 ł ι ʿH ڑ ʿY ʎ ʭ 5 ° 0.5sec;

3 ì ˙ ˥ ˛ ɔ ه ẙ ʭ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ẙ χ 270 ° 5 ł ʿH ڑ χ 10 ° 1 sec.

Temp.:270 ° 5 ł Time:10 ° 1 sec

/ Packaging SPEC.

ʿΩ ʈ ɣ ŀ / BULK

Package Type	Units					Dimension (unit mm3)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-92LM	1,000	8	8,000	5	40,000	135×190	237×172×102	560×245×195

ʎ Ṿ ɣ ŀ / AMMO

Package Type	Units					Dimension (unit mm3)	
	Units/tape /	Tape/Inner Box /	Rows/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Inner Box	Outer Box
TO-92LM	2,500	1	100	10	25,000	328×230×42	480×346×235 547×407×268

/ Notices