KTA1275

Rev.E Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

WR0<50P ṂṂÞ SQS ÆḾч s Ⅱㄱ Silicon PNP transistor in a TO-92LM Plastic Package.

/ Features

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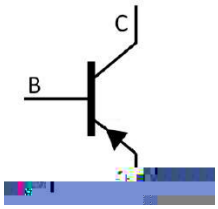
High voltage, complementary to KTC3228.

/ Applications

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Color TV vertical deflection output, color TV class B sound output application.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	R	O	Y
h_{FE} Range	60~120	100~200	160~320

/ Absolute Maximum Ratings(Ta=25)

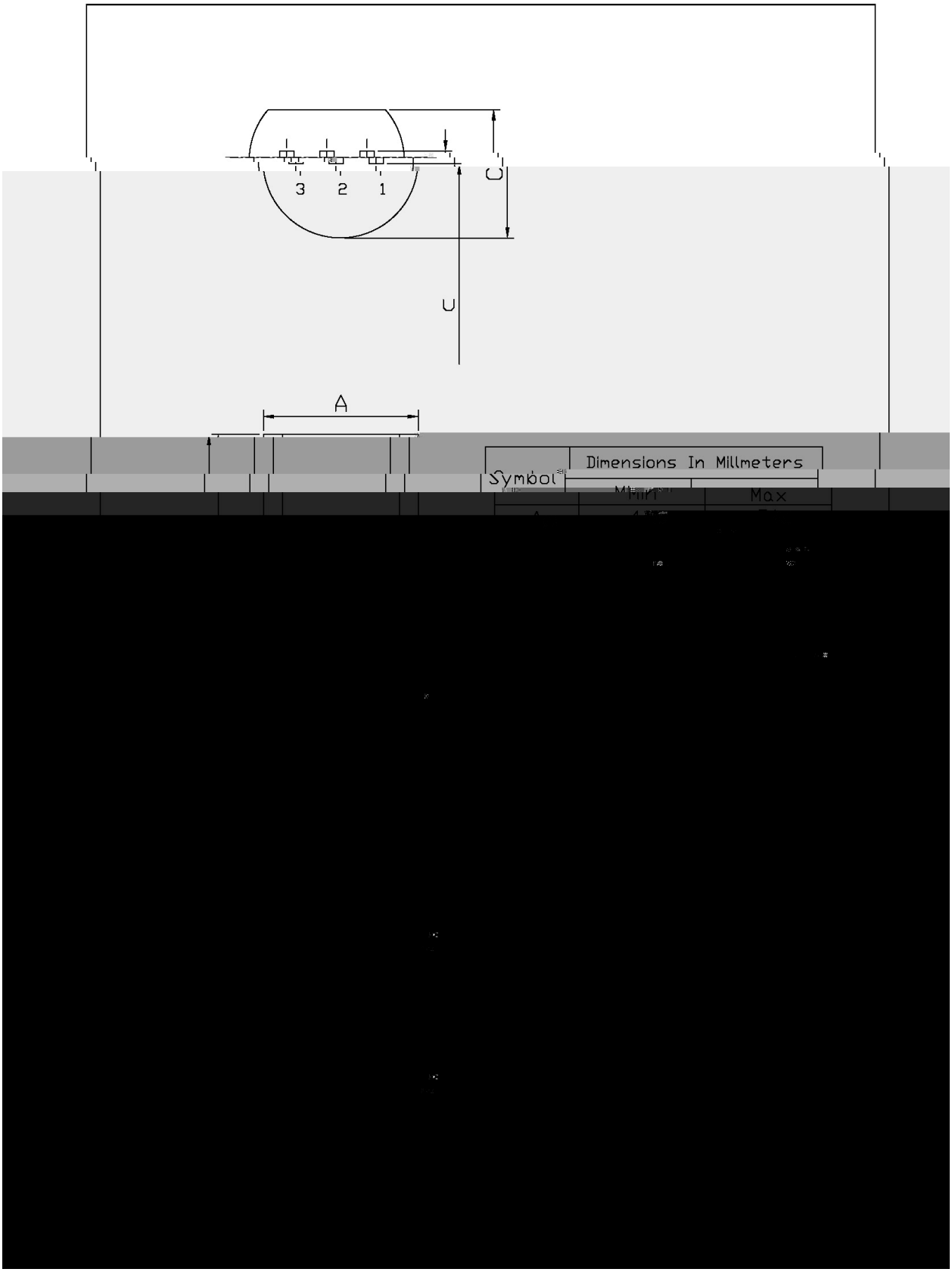
v ̈Ω Parameter	٩ N Symbol	̈Ω Ö Rating	D Ч Unit
Collector to Base Voltage	V_{CBO}	-160	V
Collector to Emitter Voltage	V_{CEO}	-160	V
Emitter to Base Voltage	V_{EBO}	-6	V
Collector Current - Continuous	I_C	-1.0	A
Base Current - Continuous	I_B	-0.5	A
Collector Power Dissipation	P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

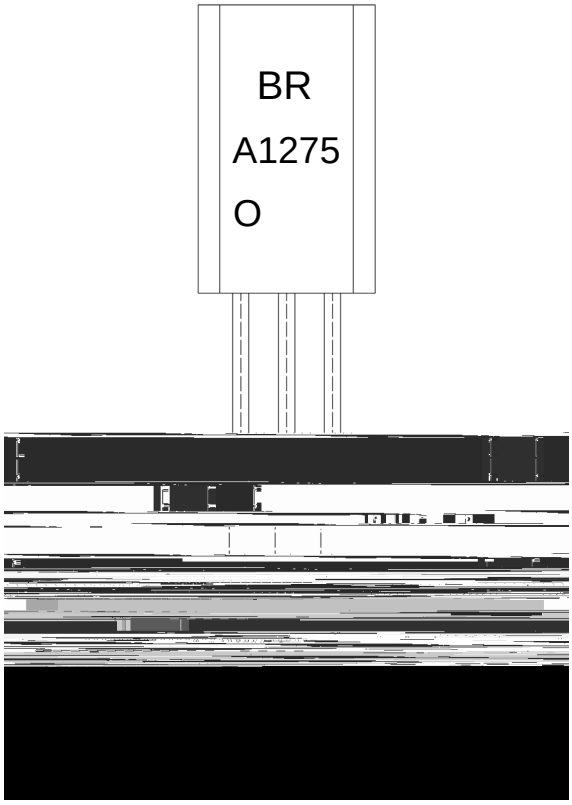
v ̈Ω Parameter	٩ N Symbol	‗ ː ̄ Ţ Test Conditions	ώ ṇ Ö Min	Ɛ ʒ Ö Typ	ώ ᶻ Ö Max	D Ч Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-10mA I_B=0	-160			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-150V I_E=0			-1.0	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-6V I_C=0			-1.0	μA
DC Current Gain	h_{FE}	V_{CE}=-5V I_C=-200mA	60		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-500mA I_B=-50mA			-1.5	V
Base to Emitter Voltage	V_{BE}	V_{CE}=-5V I_C=-5mA	-0.45		-0.75	V
Transition Frequency	f_T	V_{CE}=-5V I_C=-200mA	15	50		MHz
Collector output capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1MHz			35	pF

/ Package Dimensions

TO-92LM Unit: mm

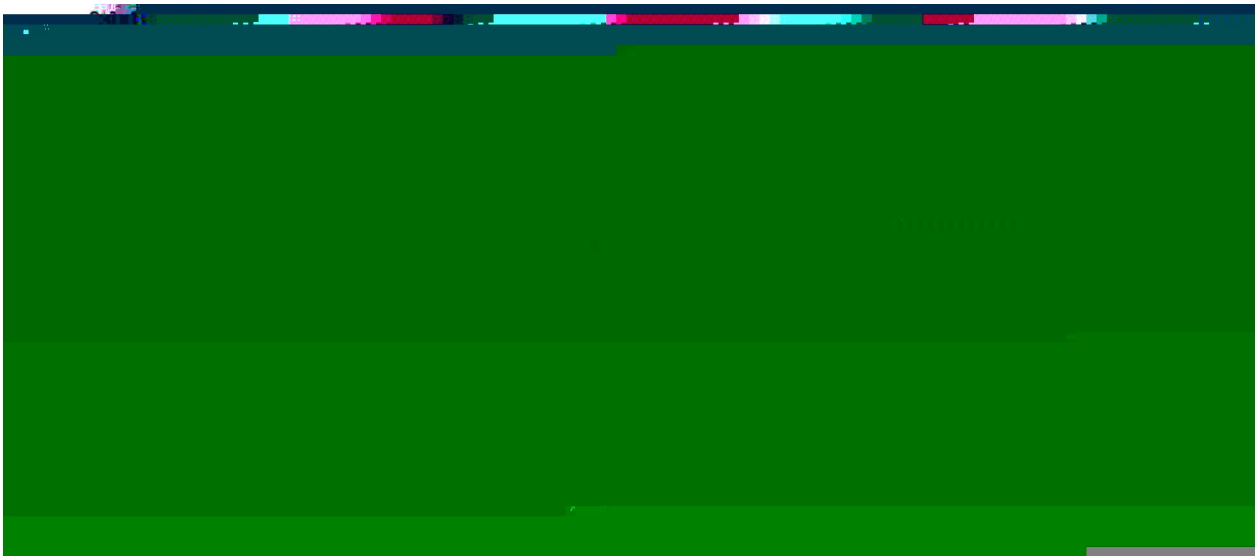


/ Marking Instructions



ᓚ ᵎ χ	
EU=	ᑦᖏ ᕄ ᑎᑐ
D45 : 8 χ	ᑦᖏ ᕃ ᴺ ᑎᑐ
R=	ᑦᖏ k ᵢᴴ ᑊ ⁶ ᑎᑐ
---- χ	ᑦᖏ ᑊ ᖭ ᖐ ᴺ ᑎᑐ ᑊ ᵩ ᑊ ᖭ ᖐ ᴺ Ψ ᑭ
Note:	
BR:	Company Code.
A1275:	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 Ĺ ♬ □ ỷ 25 Ḱ 150 ɬ ı `H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı `H ڑ `Y ㅅ ㎛ 5 ° 0.5sec;

3 ì ˙ ㅓ ˛ ɔ ෯ ỷ ㎛ 2 Ḱ 10 ɬ /sec.

Note:

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

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

3. Cooling Speed: 2~10 ɬ /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ɬ	`H ڑ χ 10 ° 1 sec.	Temp.:270 ° 5 ɬ	Time:10 ° 1 sec

/ Packaging SPEC.

`Ọ ţ ㅛ Ł / 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