

/ Descriptions

WR0<50 P M M E SQS æ M y s ll 1 Silicon PNP transistor in a TO-92LM Plastic Package.

/ Features

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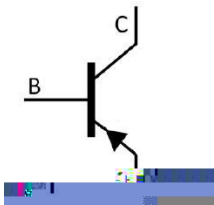
High voltage, complementary to KTC3228.

/ Applications

$$\tilde{E} \supset \mathfrak{h} \oplus \mathfrak{g} \supset \mathfrak{g}_s \quad / \quad \tilde{E} \supset \mathfrak{v} \oplus \mathbb{K} \oplus \mathfrak{g}_s$$

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

/ Equivalent Circuit



/ Pinning

PIN1 $\times$ BasePIN 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)

Parameter	Symbol	Rating	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	

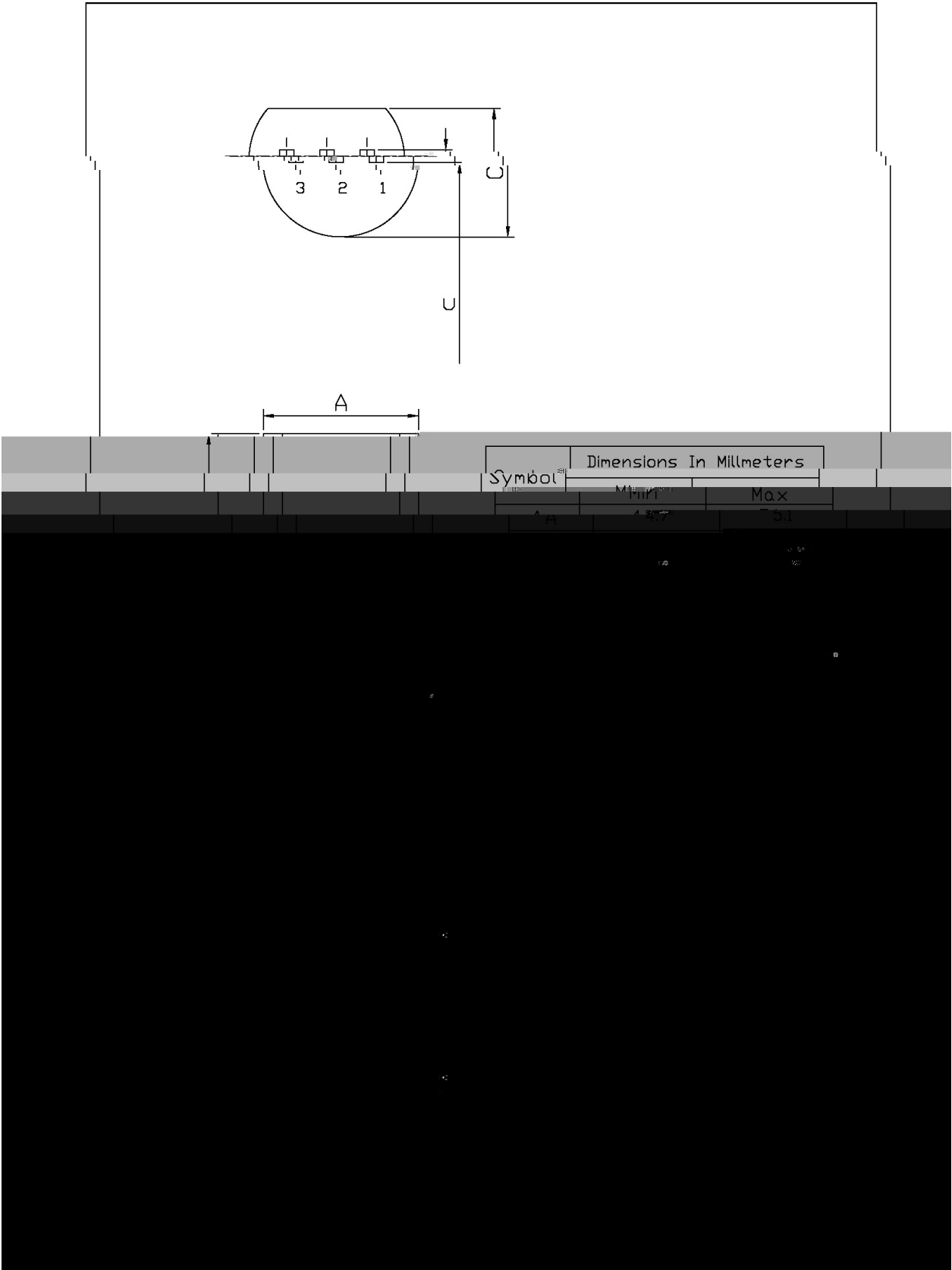
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	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

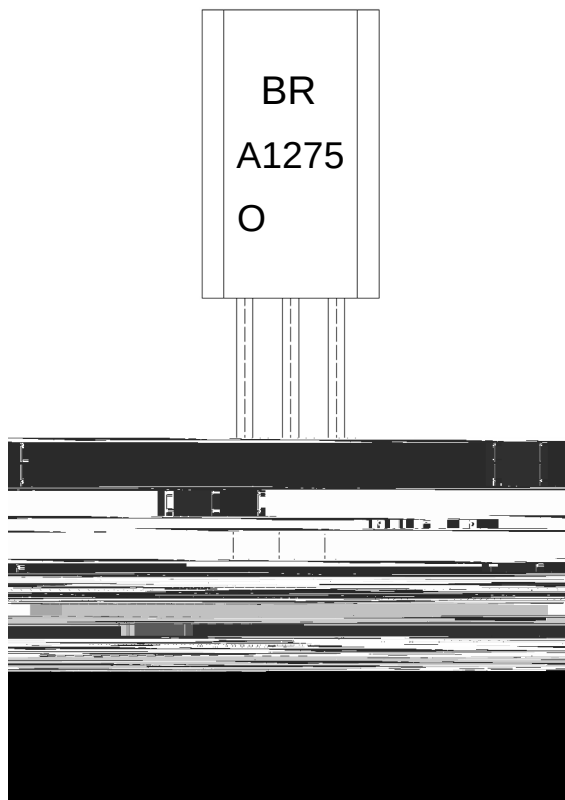
/ Package Dimensions

T0-92LM

Unit: mm



/ Marking Instructions



б " X

EU: ㄣ 3 ㄴ ㄱ

D45:8 X ㄣ 3 ㄴ ㄱ

R: ㄣ k_{IH} ' 6 ㄱ

---- X ㄣ 1 F ㄴ ㄴ ㄱ 1 ㄣ 1 F ㄴ ㄴ ㄱ

Note:

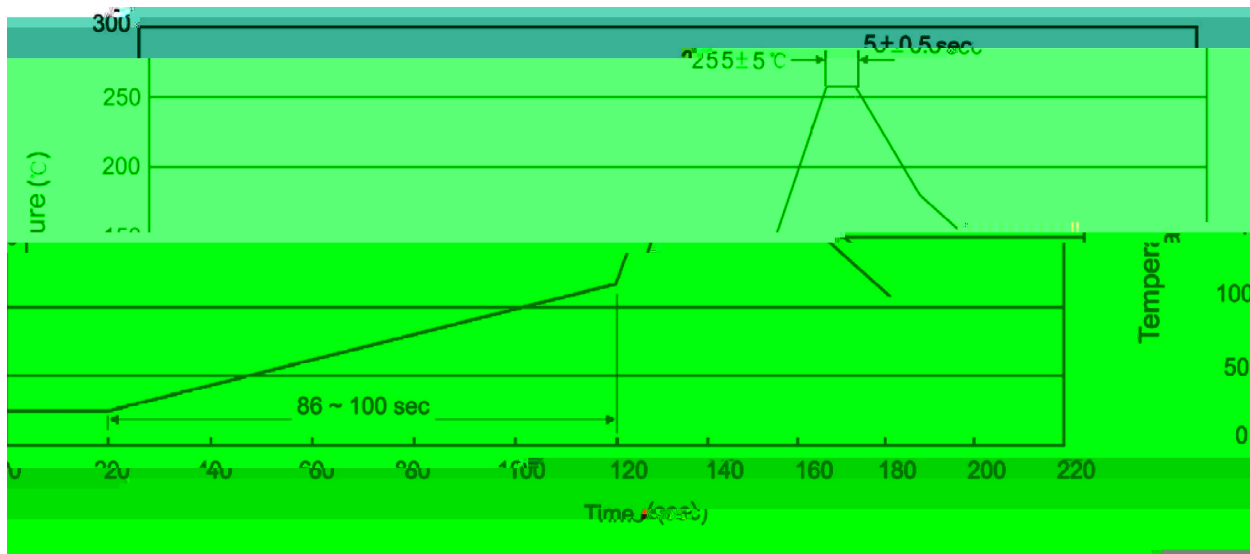
BR: Company Code.

A1275: Product Type.

O: h_{FE} Classifications Symbol

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

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



说明

1. 预加热: 25~150 °C, Time: 60~90sec;
2. 峰值温度: 255±5 °C, 持续时间: 5±0.5sec;
3. 冷却速度: 2~10 °C/sec.

Note:

1. Preheating: 25~150 °C, Time: 60~90sec.
2. Peak Temp.: 255±5 °C, Duration: 5±0.5sec.
3. Cooling Speed: 2~10 °C/sec.

/ Resistance to Soldering Heat Test Conditions

温度: 270±5 °C 时间: 10±1 sec. Temp.: 270±5 °C Time: 10±1 sec

/ Packaging SPEC.

包装形式 / 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