

特性

VRW0; < 硅 PNP 晶体管在 SOT-89 塑料封装。

应用

1W(*mounted on ceramic substrate),complementary pair with KTC4375.

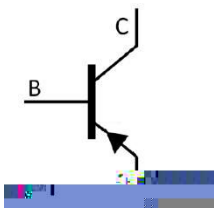
1W(*mounted on ceramic substrate),complementary pair with KTC4375.

特点

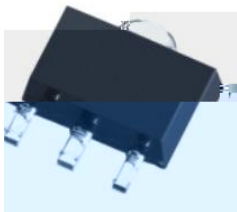
高电流应用。

High current applications.

封装与引脚



封装与引脚



PIN1 基极

PIN 2 集电极

PIN 3 发射极

参数

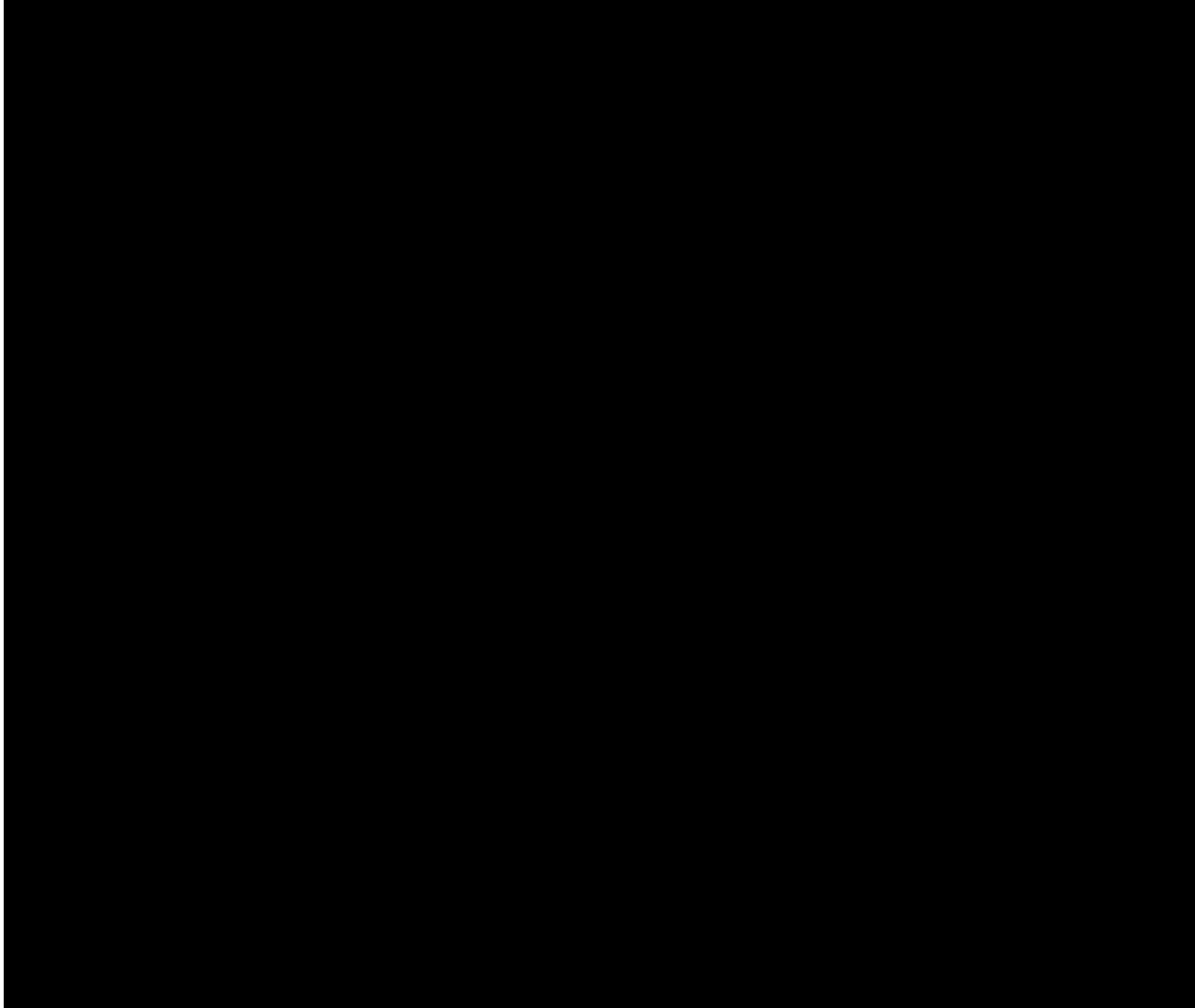
h_{FE} Classifications Symbol	O	Y
h_{FE} Range	100 200	160 320
Marking	HIO *	HIY *

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}	-5.0	V
Collector Current - Continuous	I_C	-1.5	A
Collector Base – Continuous	I_B	-0.3	A
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation*	* P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

*BRKTA1663 mounted on ceramic substrate (250mm² 0.8t)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-10mA$ $I_B=0$	-30			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=-1.0mA$ $I_C=0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-30V$ $I_E=0$			-0.1	μA
Emitter Base Cut-Off Current	I_{EBO}	$V_{EB}=-5.0V$ $I_C=0$			-0.1	μA
DC Current Gain	h_{FE}	$V_{CE}=-2.0V$ $I_C=-500mA$	100		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-1.5A$ $I_B=-0.03A$			-2.0	V
Base to Emitter Voltage	V_{BE}	$V_{CE}=-2.0V$ $I_C=-500mA$			-1.0	V
Transition Frequency	f_T	$V_{CE}=-2.0V$ $I_C=-500mA$		120		MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10V$ $f=1.0MHz$ $I_E=0$	V		50	pF

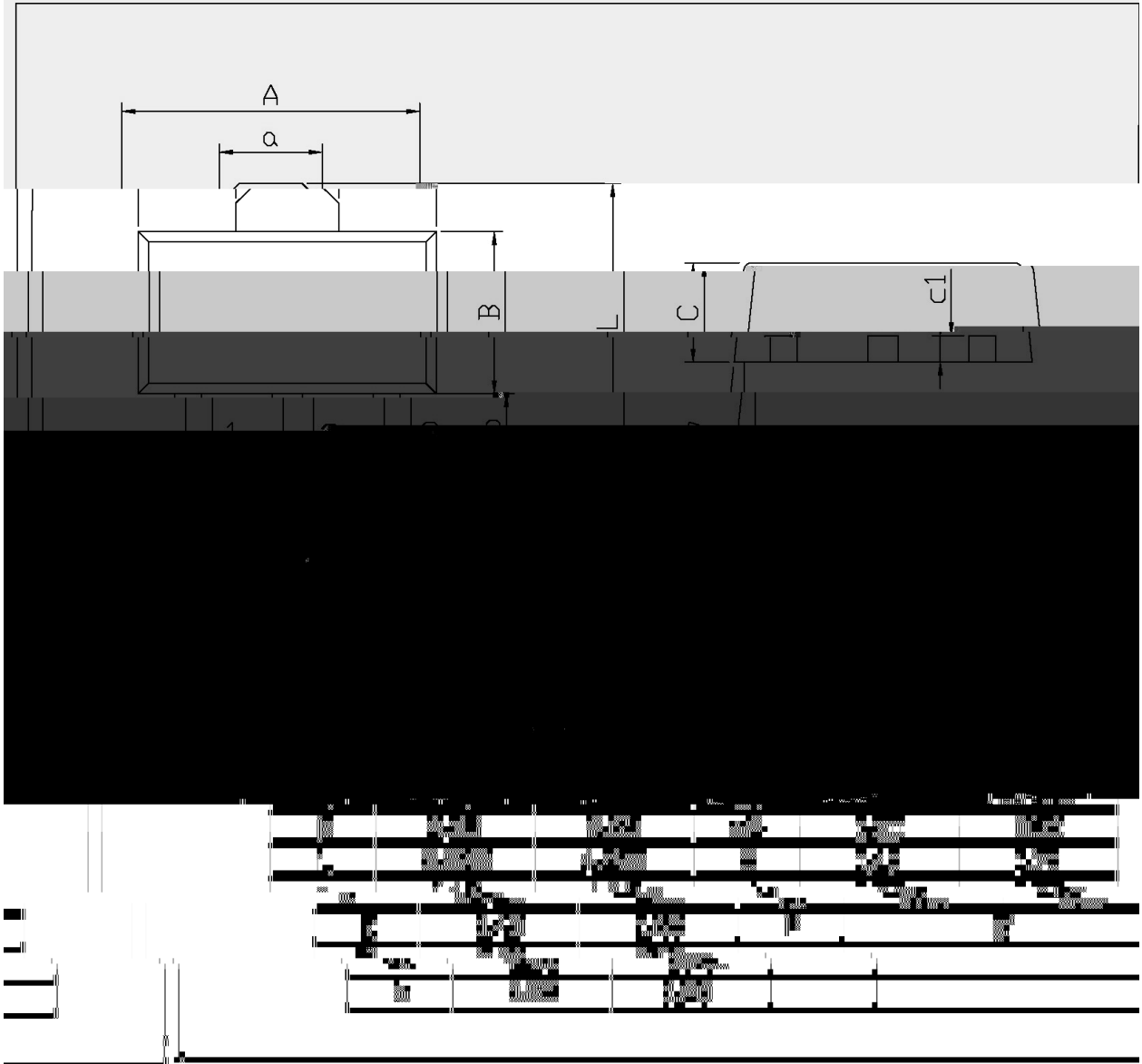
三极管



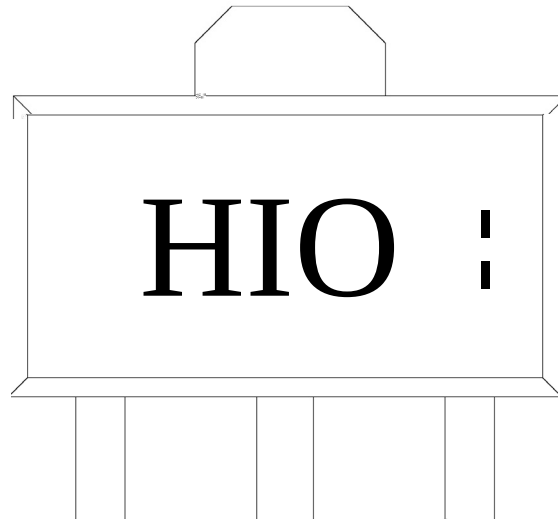
υ È Ò Ì f

SOT-89

单位: mm



1. 引脚



引脚

K 芯片

L 芯片

R= 芯片

-- 芯片

Note:

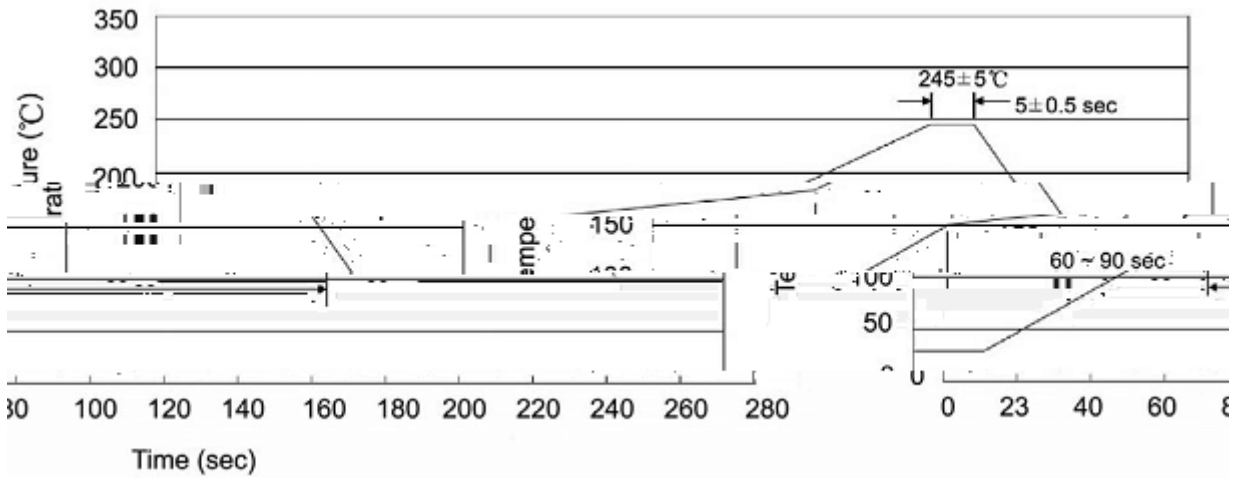
H: Company Code.

I: Product Type.

O: h_{FE} Classifications Symbol

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

Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0l uhh,



1. Preheating:

25~150 °C, Time: 60~90sec;

2. Peak Temp.: 245 °C ± 5 °C, Duration: 5 ± 0.5sec;

3. Cooling Speed: 2~10 °C /sec.

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1. 0 q 1 Y T

□ °C 260 ± 5 °C

Time: 10 ± 1 sec.

Temp.: 260 ± 5

Time: 10 ± 1 sec

2. 1 2 3

□ °C / REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT-89	1,000	7	7,000	8	56,000	7 × 12	180 × 120 × 180	385 × 257 × 392

3. 1 2 3