

“Y / Descriptions

SOT-23

Precision adjustable shunt regulator in a SOT-23 Plastic Package.

• Ę / Features

2.495V; 0.5%,1% 2%; 1.0mA 100mA; ;
 $V_O = V_{ref}$ 36V; (:50μA); (:0.15Ω)

Precise reference voltage to 2.495V;guaranteed 0.5%,1% or 2% reference voltage Tolerance; sink current capability,1.0mA 100mA;quick turn-on; adjustable Output voltage, $V_O = V_{ref}$ 36V;low operational cathode current,50 A typical; 0.15 typical output impedance.

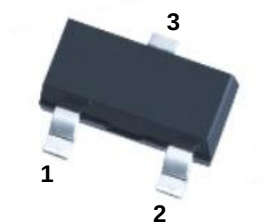
v / Applications

Linear regulators, adjustable power supply, switching power supply.

л ~ ǻ = / Equivalent Circuit



ã / ů / Pinning



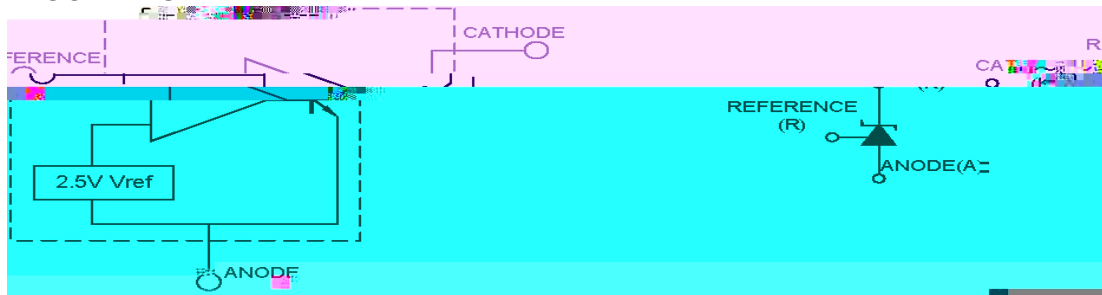
PIN1 R PIN 2 K PIN 3 A

ǻ z z t. H Ć / h_{FE} Classifications & Marking

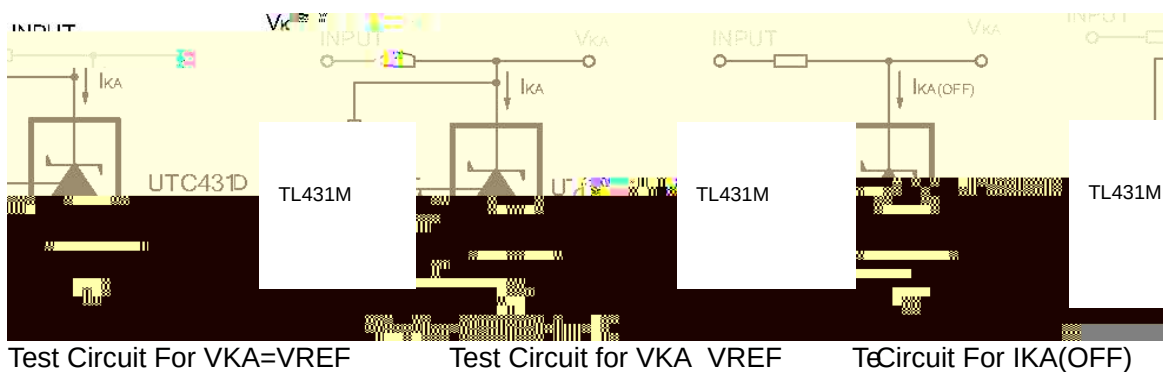
Marking	H431
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Test circuits Application

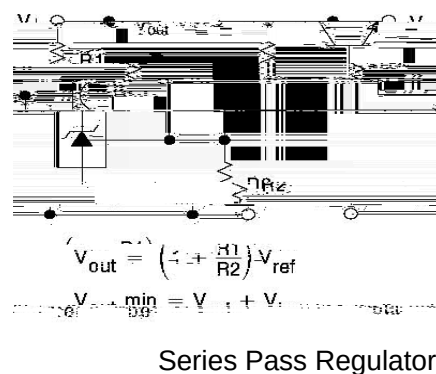
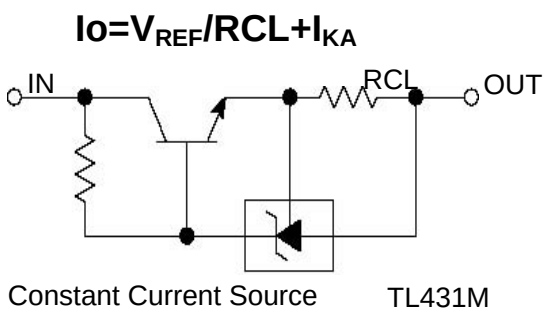
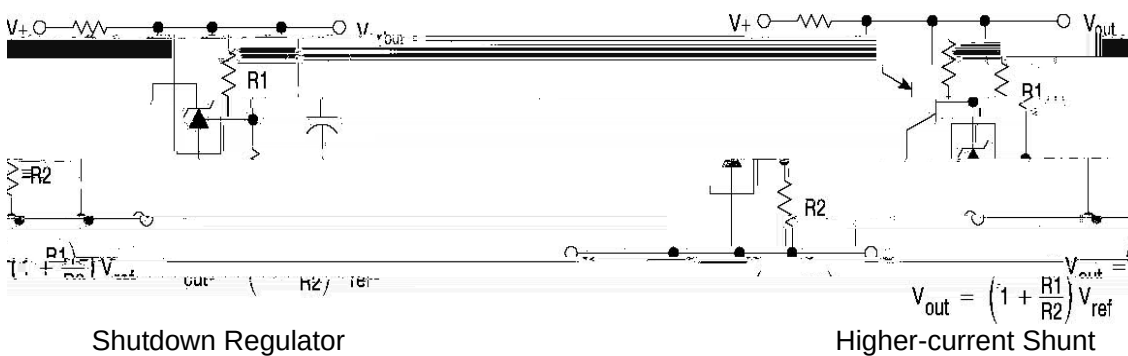
BLOCK DIAGRAM:



TEST CIRCUITS:



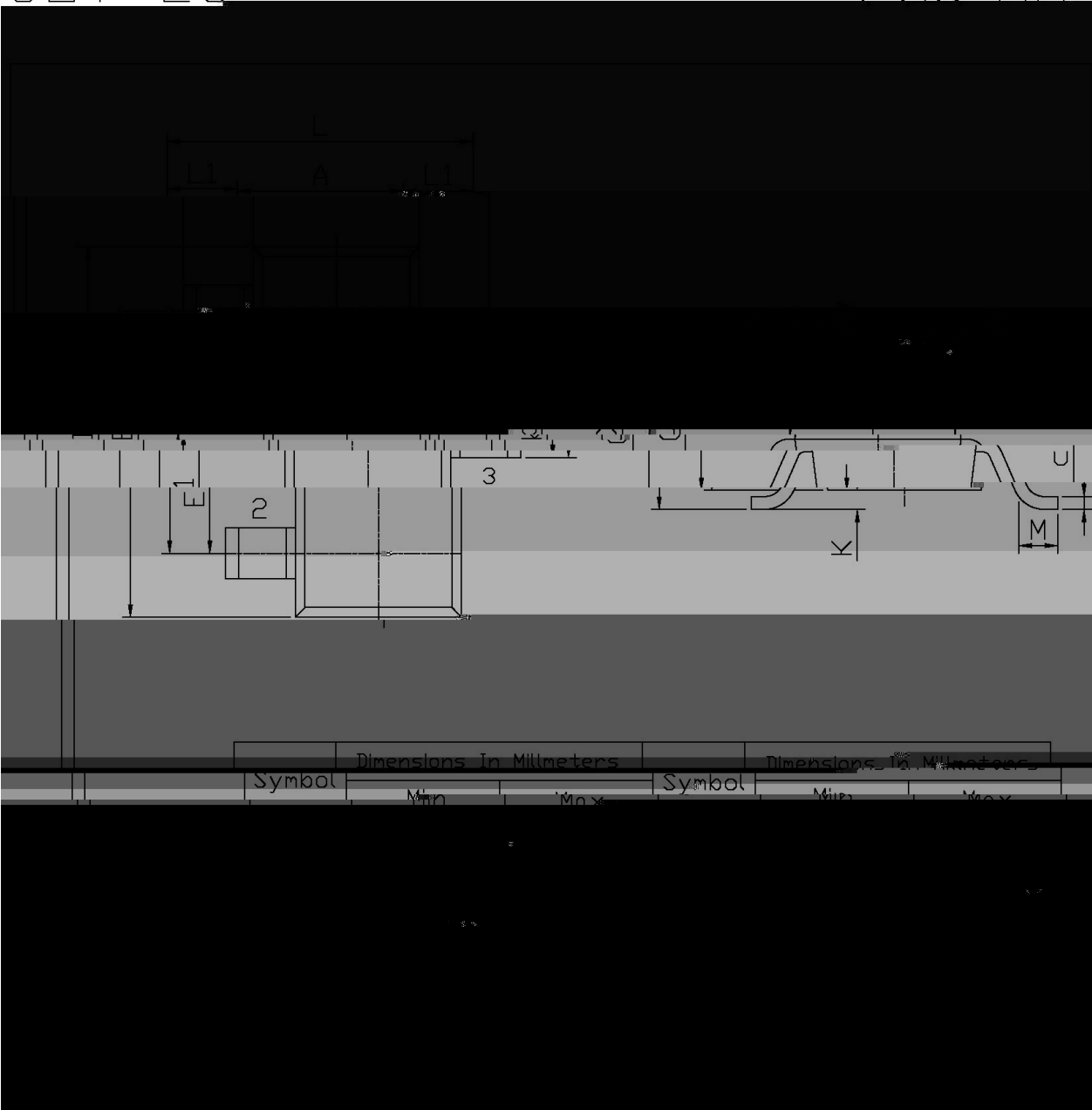
TYPICAL APPLICATION:



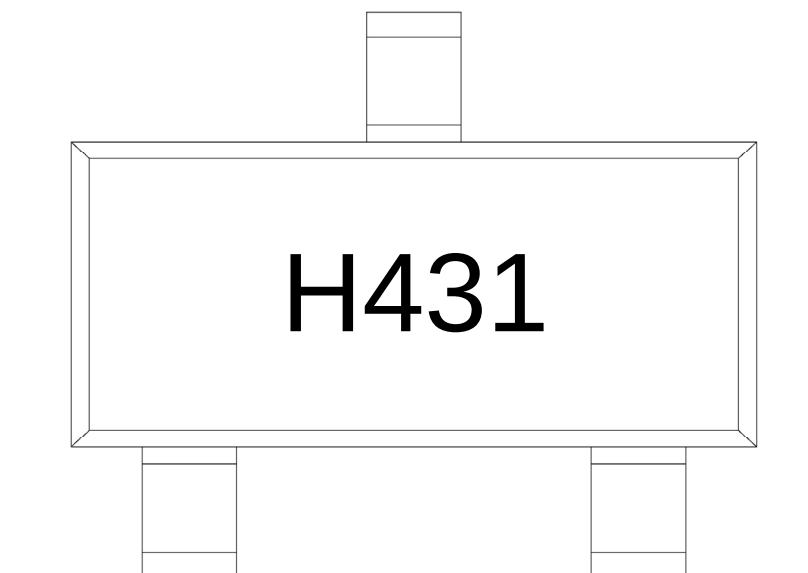
⌘ É Ò Ì ¢ / Package Dimensions

SOT-23

单位: mm



4. 符号 / Marking Instructions



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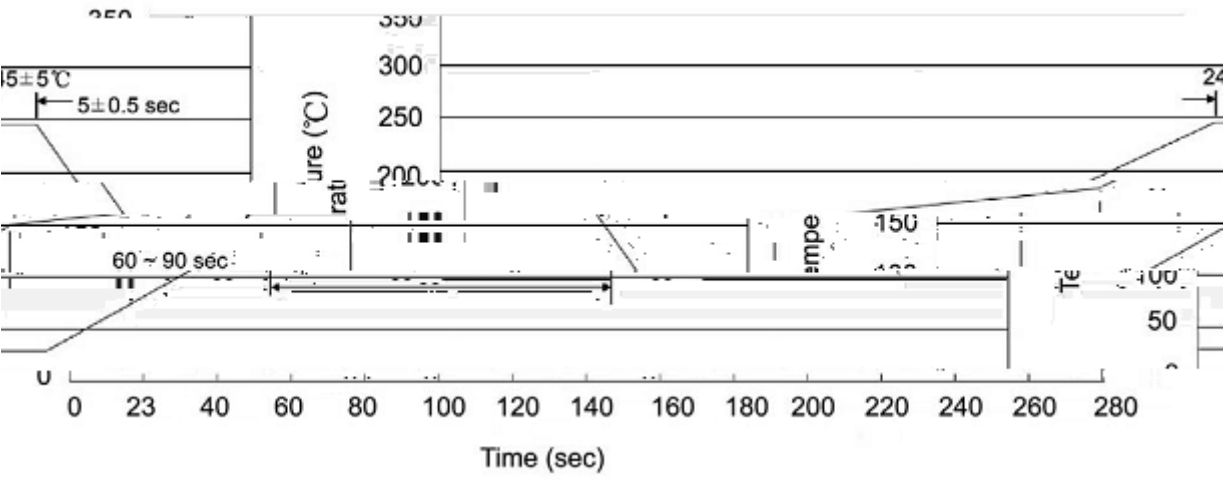
431

Note:

H: Company Code.

431: Product Type.

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Note:
1.Preheating:25~150 °C, Time:60~90sec.
2.Peak Temp.:245±5 °C, Duration:5±0.5sec.
3. Cooling Speed: 2~10 °C/sec.

Resistance to Soldering Heat Test Conditions

260±5 °C, 10±1 sec., Temp.:260±5 °C, Time:10±1 sec

Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7 × 8	180×120×180	390×385×205