

TL431

Rev.G Jan.-2022

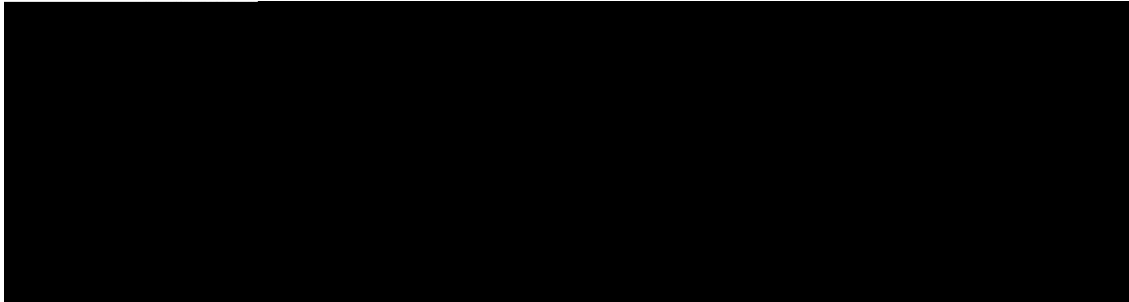
Precision adjustable shunt regulator in a TO-92 Plastic Package.

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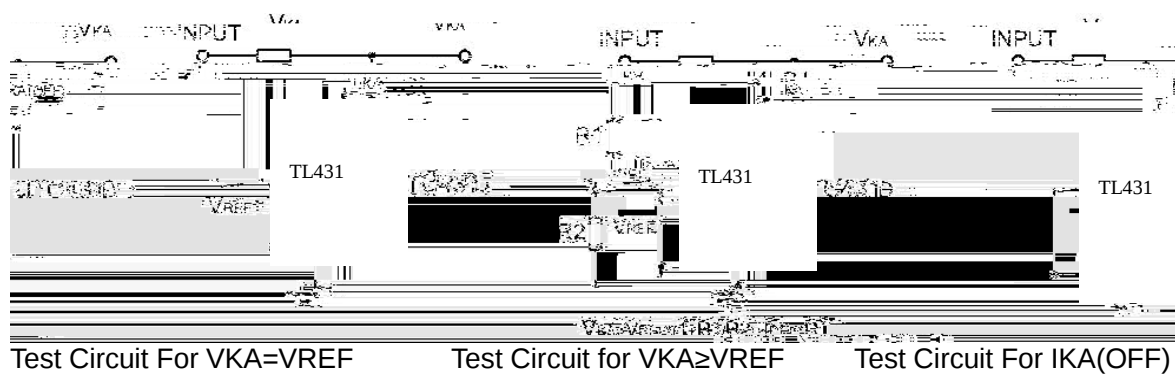
Parameter	Symbol	
Cathode to Anode Voltage	V_{KA}	
Cathode Current nge, Continuous	7	

& Test circuits&Typical Application

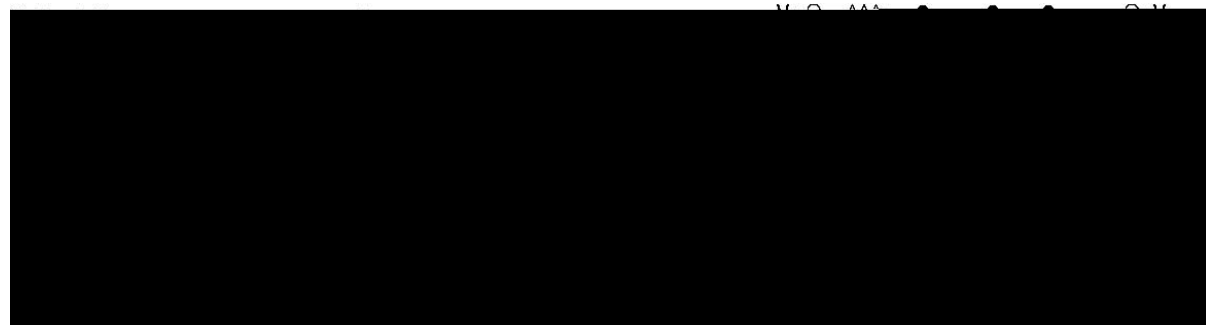
BLOCK DIAGRAM:



TEST CIRCUITS:

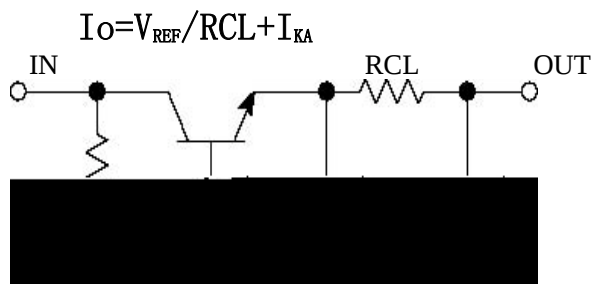


TYPICAL APPLICATION:

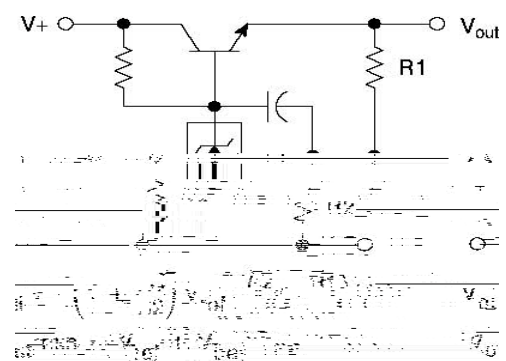


Shutdown Regulator

Higher-current Shunt

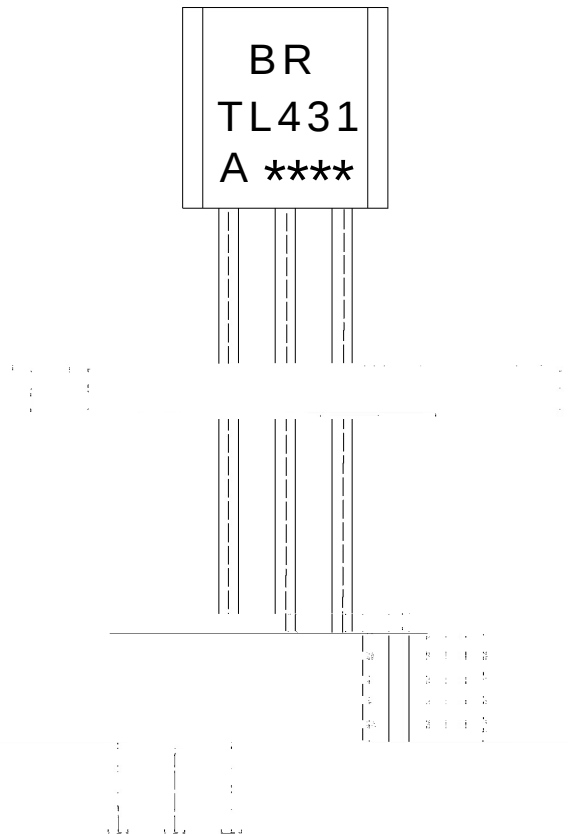


Constant Current Source



Series Pass Regulator

/ Marking Instructions



BR

TL431

A: V_{REF}

Note:

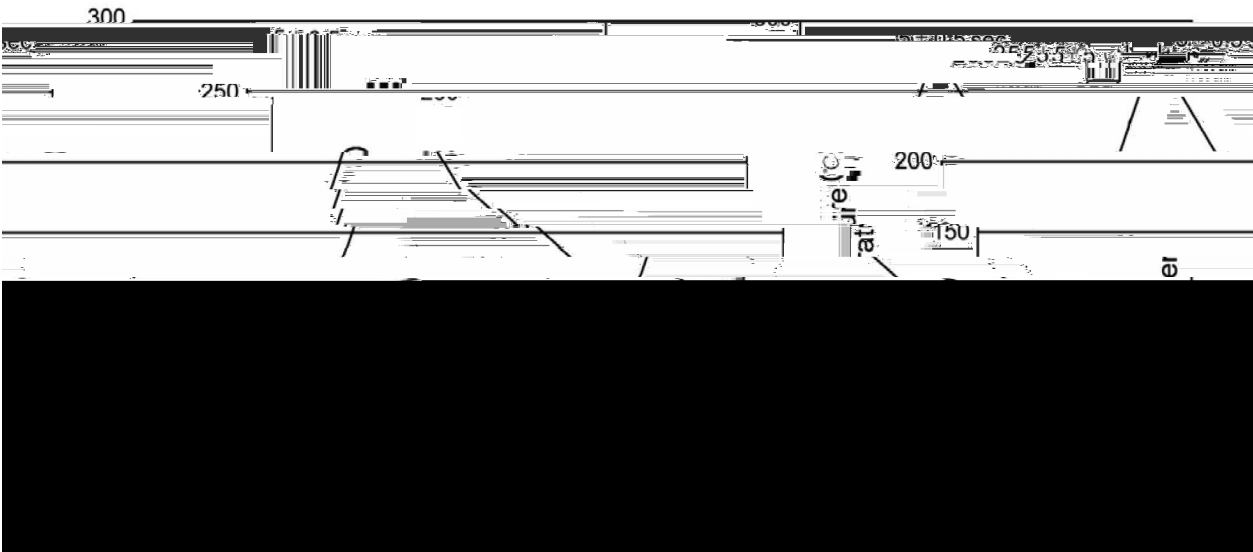
BR: Company Code.

TL431: Product Type.

A: V_{REF} Classifications Symbol

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

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



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

/ Resistance to Soldering Heat Test Conditions

270±5°C	10±1 sec.	Temp:27
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