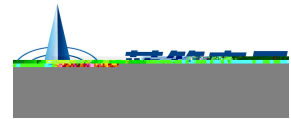


D	2015-11				
E	2020-5	1			
F	2021-4-15	1 2	3% 2%		
A	2022-5-27	ALL	Pin1 Pin2 , IOOUT@7V≥150mA		

BRCO7550RTA

Rev.A May.-2022



DATA SHEET

SOT-89

Low dropout linear regulator in a SOT-89 Plastic Package.

015^{30V}

2.5μA

±2%

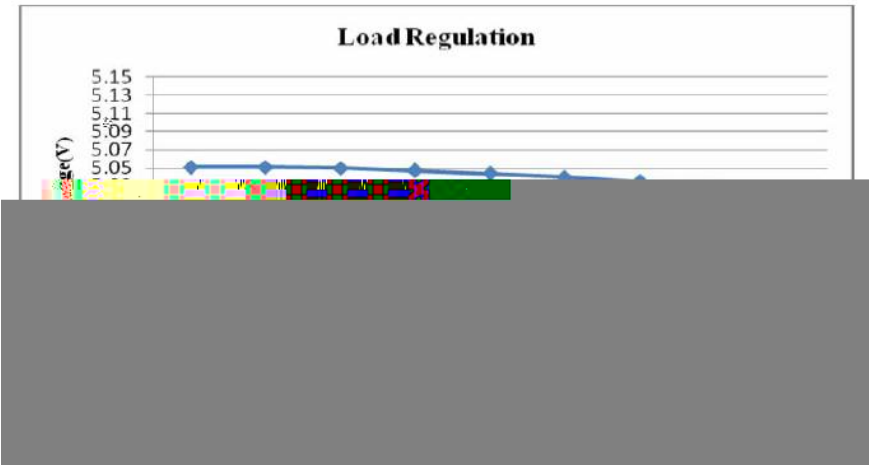
/ Electrical Characteristic Curve

ó / The input voltage and output voltage



í Å î I_{OUT}=10mA

ó î ï / The output voltage and load current

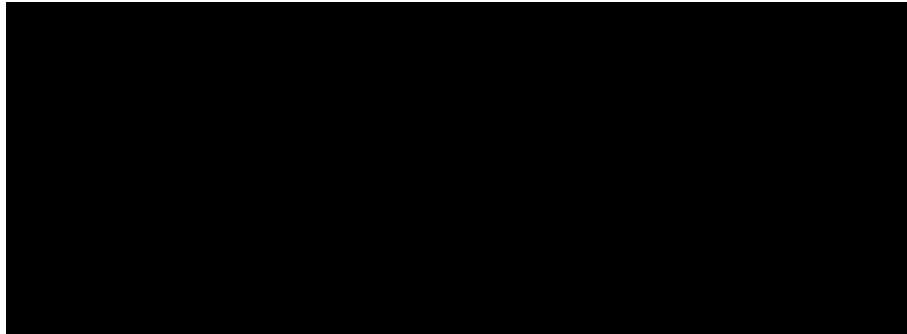


í Å V_{IN}=7.0V

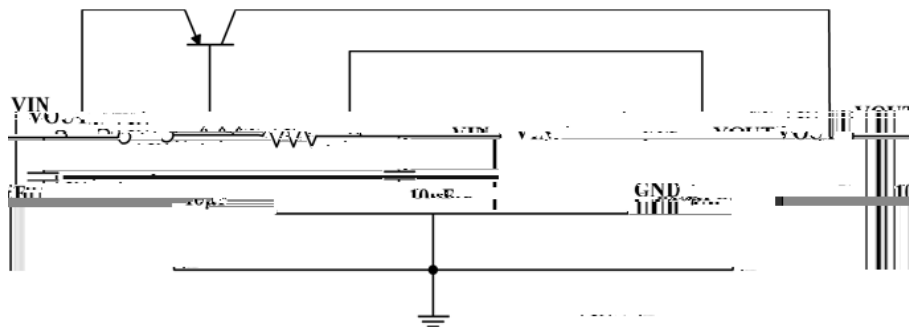
ó / The output voltage and temperature

/ Typical Application Circuit

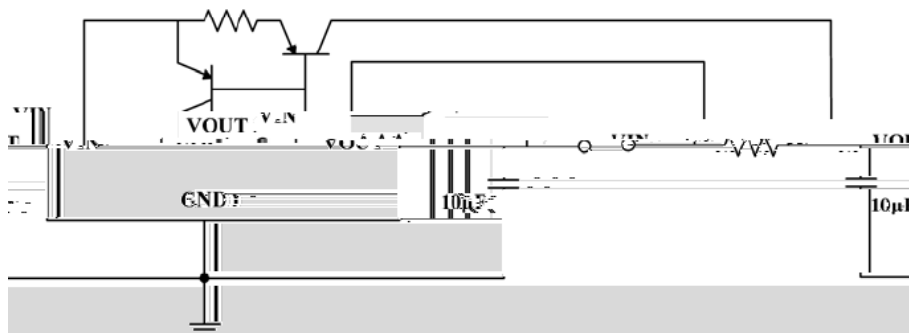
ô / Basic Application



Ã ð / High Output Current Voltage Regulator

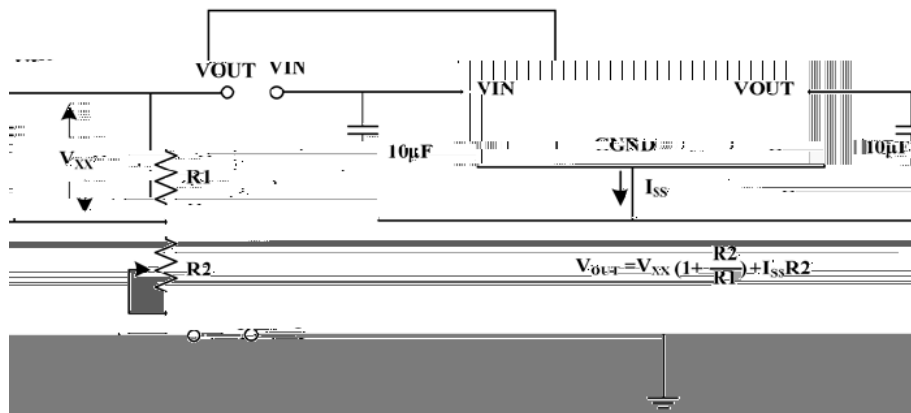


ö ÷ ø ù ô / Short-Circuit Protection

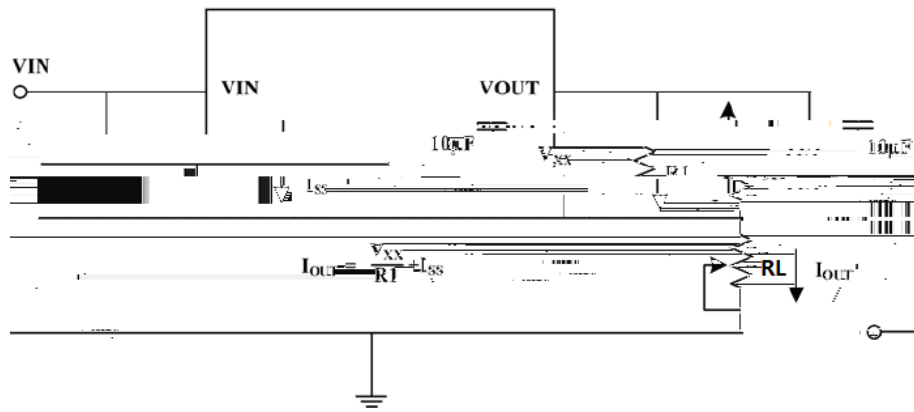


/ Typical Application Circuit

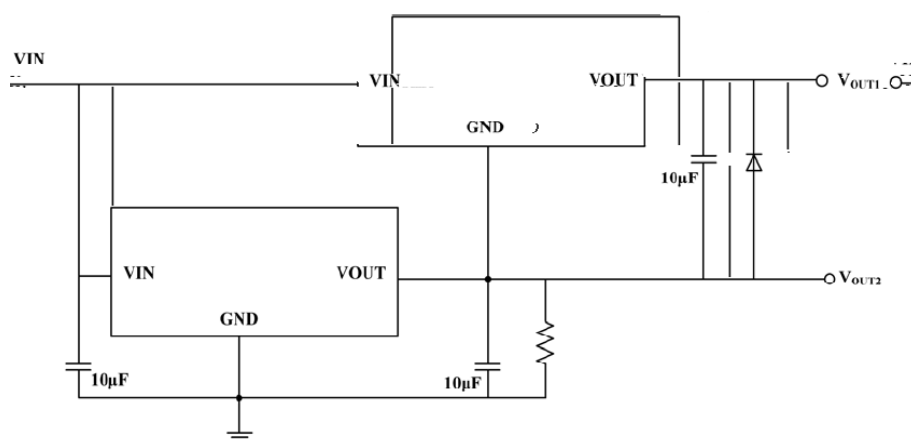
÷ / Circuit for Increasing Output Voltage



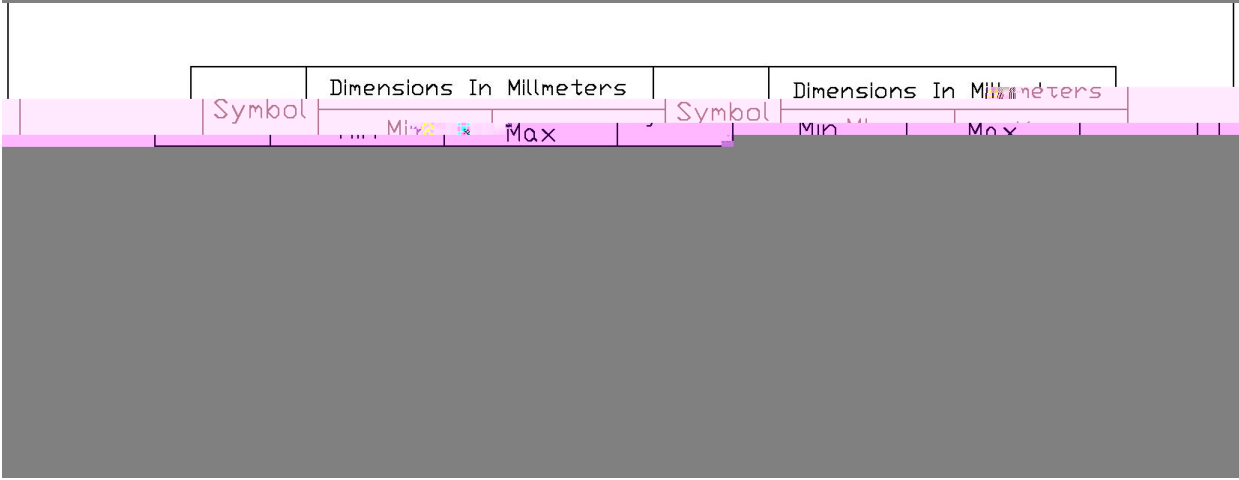
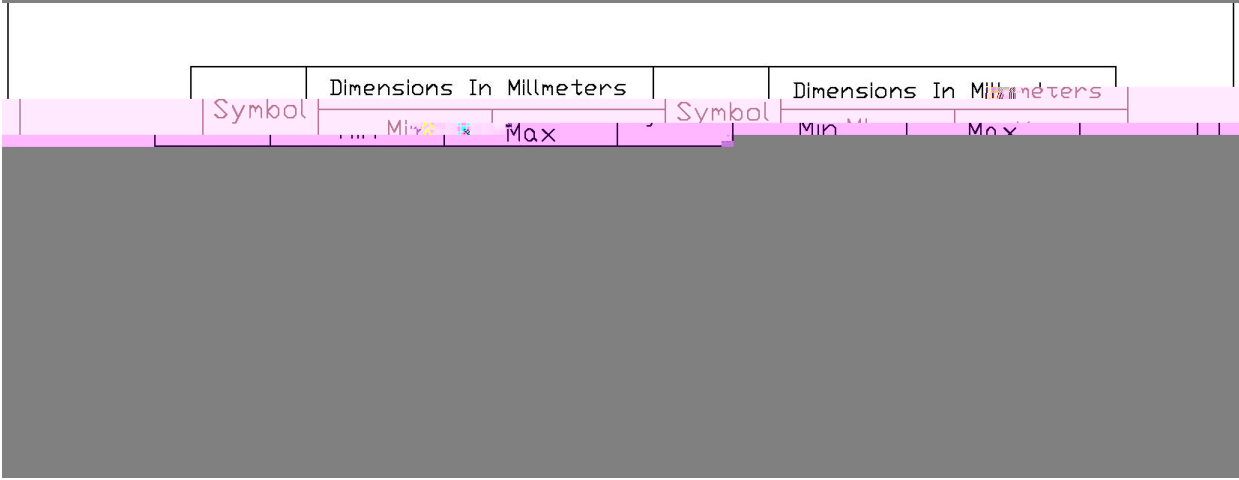
ð ÷ / Constant Current Regulator



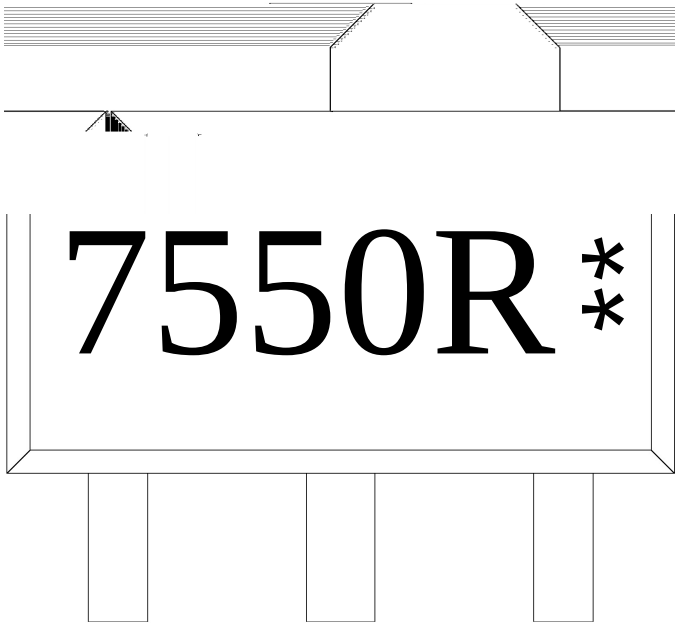
ú ÷ / Double Output Circuit



/ Package Dimensions

																	
																	
<table><tr><th rowspan="2">Symbol</th><th colspan="2">Dimensions In Millimeters</th></tr><tr><th>Min</th><th>Max</th></tr></table>				Symbol	Dimensions In Millimeters		Min	Max	<table><tr><th rowspan="2">Symbol</th><th colspan="2">Dimensions In Millimeters</th></tr><tr><th>Min</th><th>Max</th></tr></table>				Symbol	Dimensions In Millimeters		Min	Max
Symbol	Dimensions In Millimeters																
	Min	Max															
Symbol	Dimensions In Millimeters																
	Min	Max															
																	

/ Marking Instructions



° ±

7550R ð ³ û

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Note:

7550R: Product Type

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

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- | | | | |
|---|---------|-----------|--|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | 2 | 10°C/sec. | 3. Cooling Speed: 2~10°C/sec. |

/ Resistance to Soldering Heat Test Con