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BRC07550MC

Rev.B Apr.-2021

SOT23-3

Low dropout linear regulator in a SOT23-3 Plastic Package .

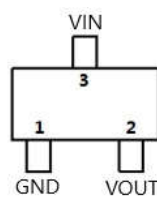
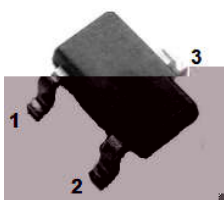
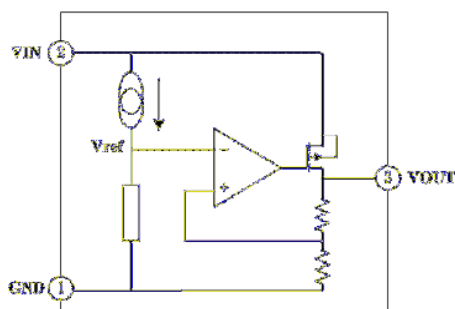
30V

2.5 μ A

$\pm 2\%$

Low power consumption,Low voltage drop,Small temperature drift coefficient,High input voltage up to 30V,The static current 2.5 μ A,The output voltage accuracy: $\pm 2\%$.HF Product.

For use in power equipment,Communication equipment,Audio and video equipment.



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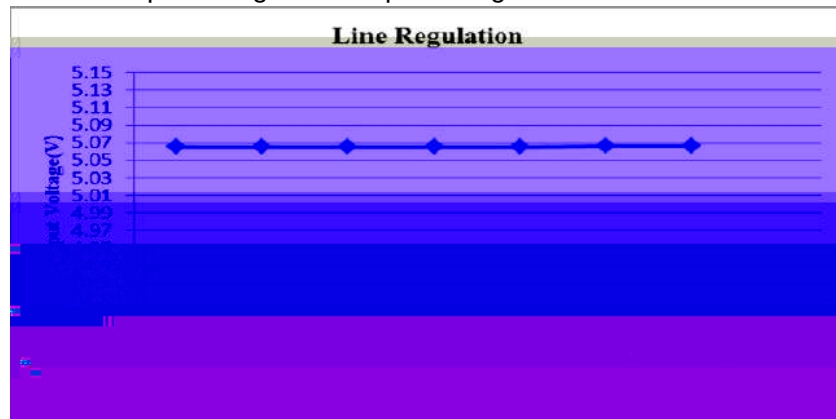


DATA SHEET

Parameter	Symbol	Rating	Unit
Working Voltage	V_{IN}	-0.3~33	V
Thermal Resistance	$R_{\theta JA}$	250	$^{\circ}\text{C}/\text{W}$
Power Consumption	P_D	400	mW
Storage Temperature	T_{STG}	-50~+125	$^{\circ}\text{C}$
Working Temperature	T_A	-40~+85	$^{\circ}\text{C}$

/ Electrical Characteristic Curve

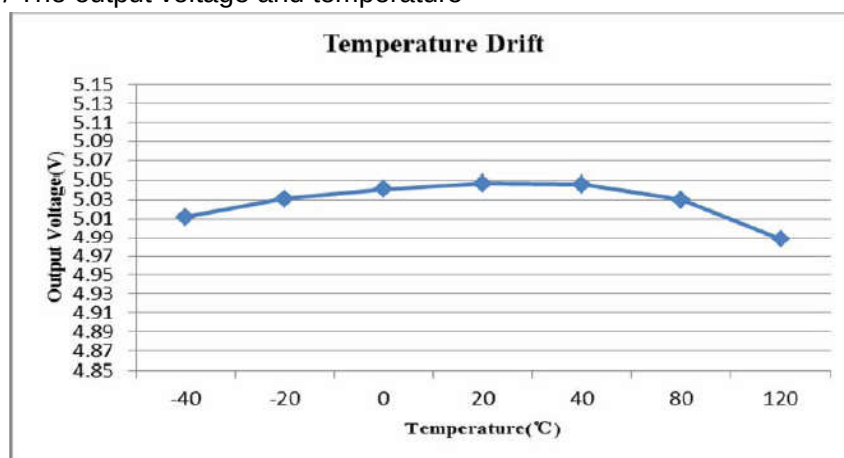
/ The input voltage and output voltage

 $I_{OUT}=10mA$

/ The output voltage and load current

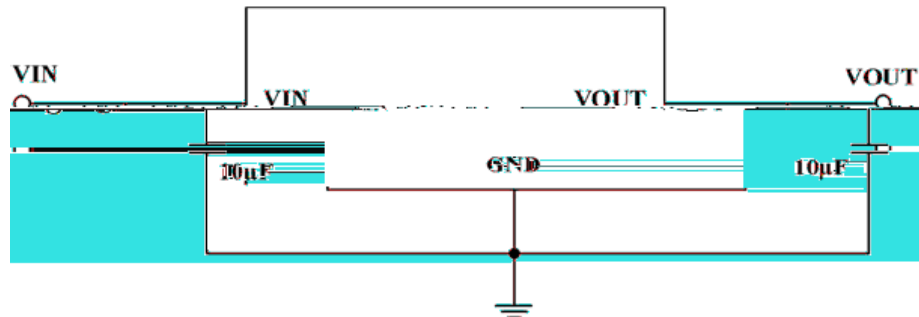
 $V_{IN}=7.0V$

/ The output voltage and temperature

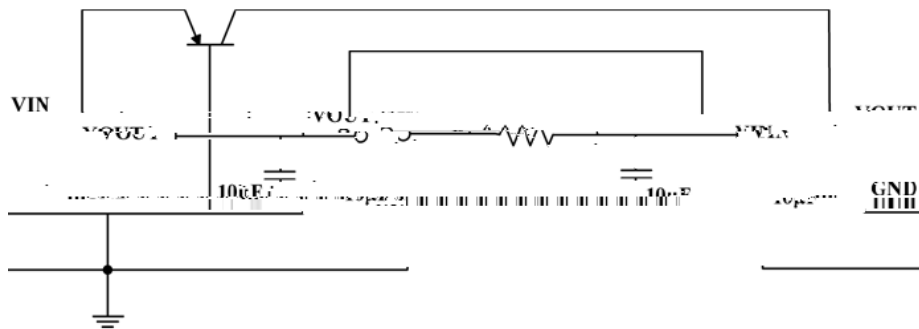
 $V_{IN}=7.0V$ $I_{OUT}=10mA$

/ Typical Application Circuit

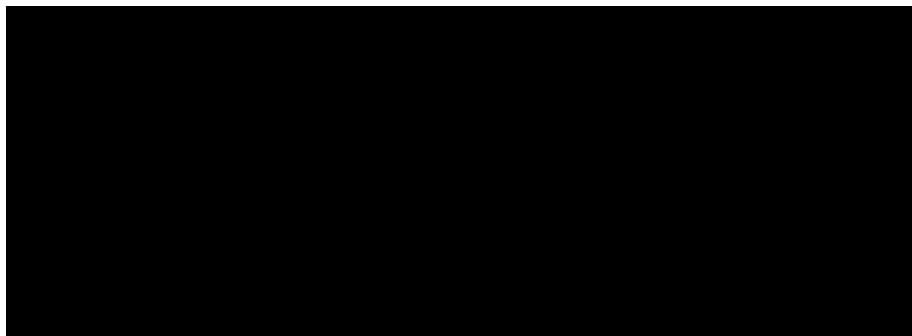
/ Basic Application



/ High Output Current Voltage Regulator

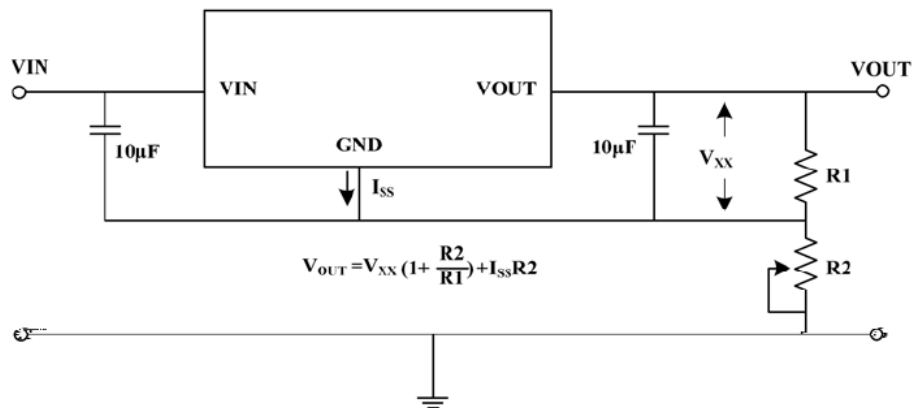


/ Short-Circuit Protection

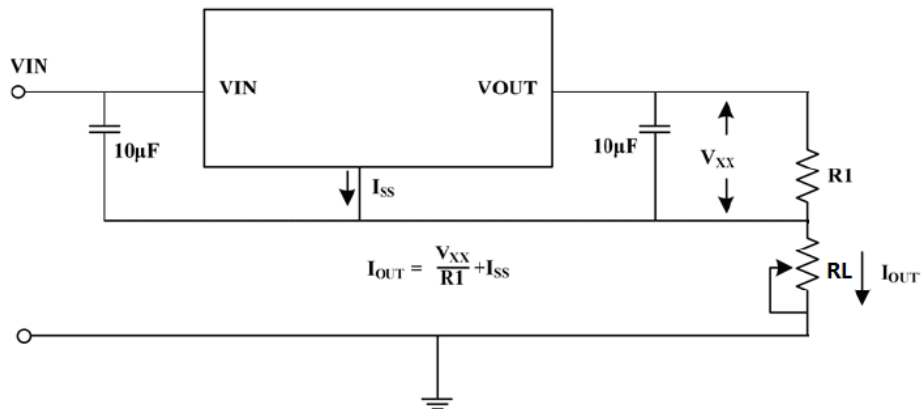


/ Typical Application Circuit

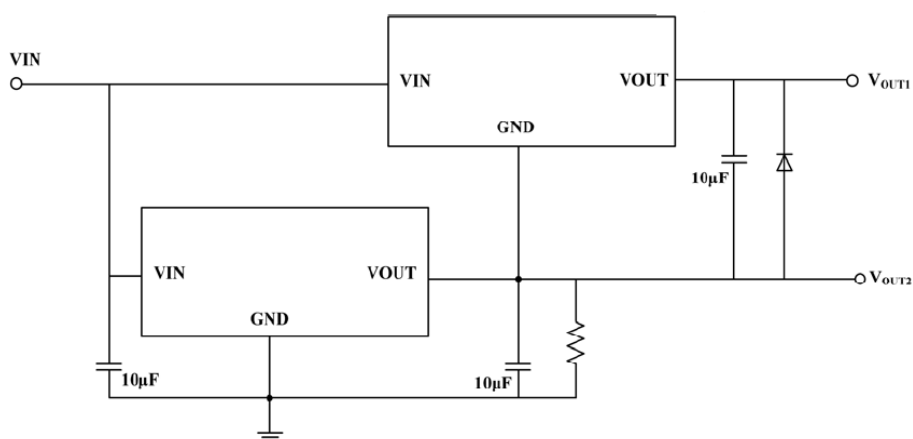
/ Circuit for Increasing Output Voltage



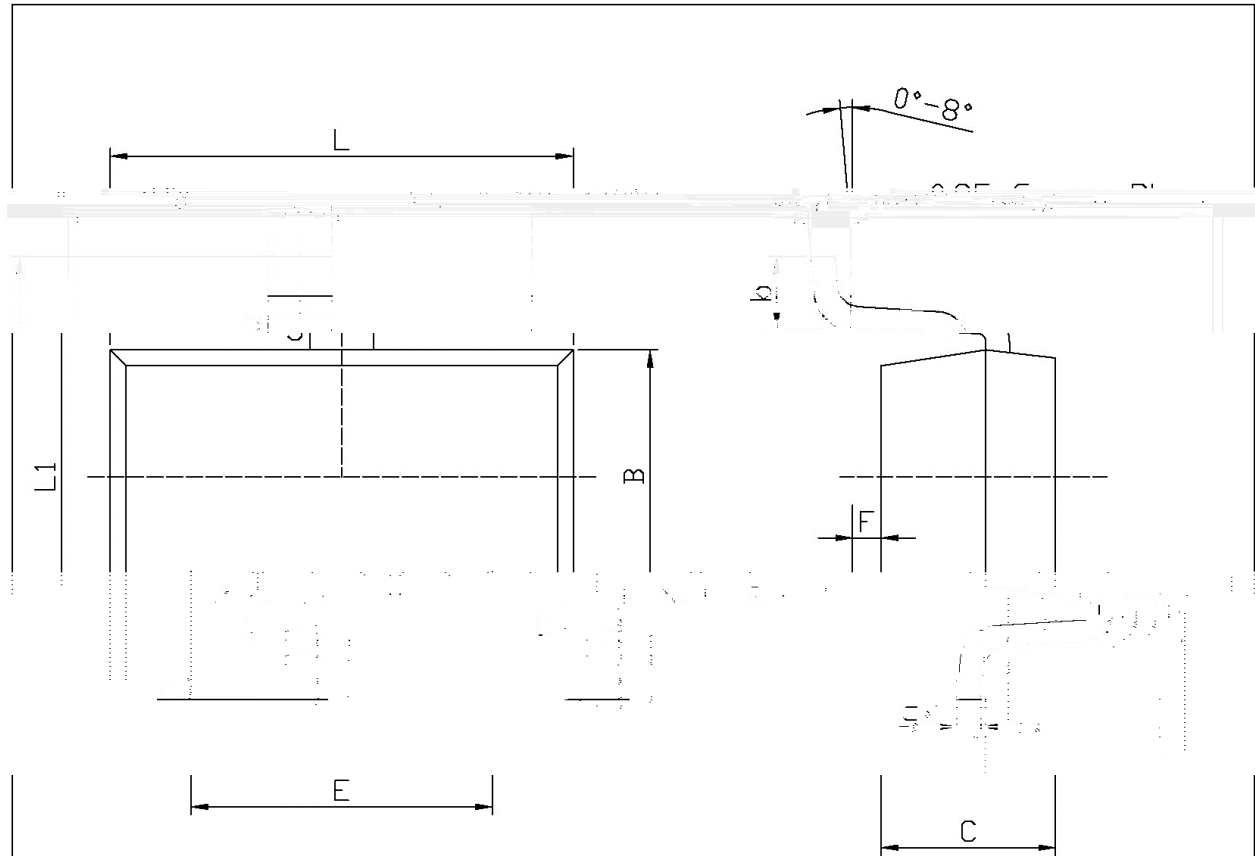
/ Constant Current Regulator



/ Double Output Circuit



/ Package Dimensions

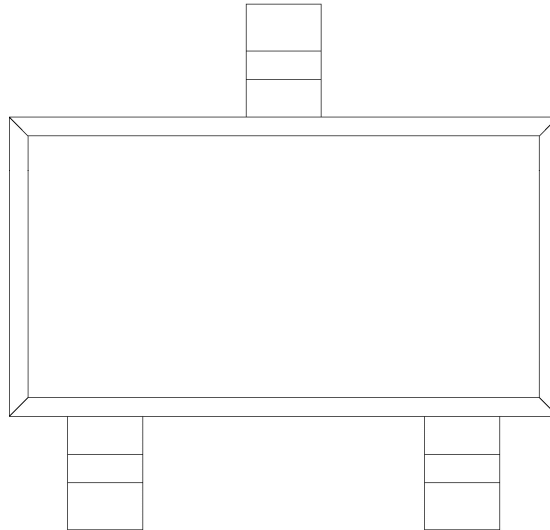


Unit: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
L	2.82	3.02	a	0.35	0.50
B	1.50	1.70	c	0.10	0.20
C	0.90	1.30	b	0.35	0.55
L1	2.60	3.00	F	0	0.15

SOT23-3

/ Marking Instructions



7550

Note:

7550: Product Type.

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BRCO7550MC

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DATA SHEET