

SOT23-3

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

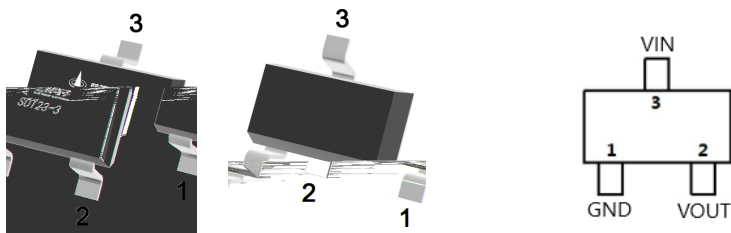
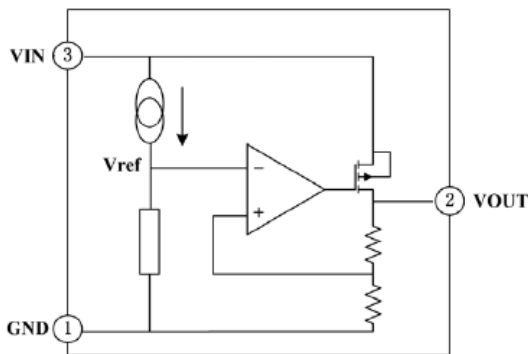
20V

1.5μA

±2%

Low power consumption,Low voltage drop,Small temperature drift coefficient,High input voltage up to 20V,The static current 1.5μA,The output voltage accuracy:±2%,HF Product.

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



1	GND		3	VIN	
2	VOUT				

/ See Marking Instructions.

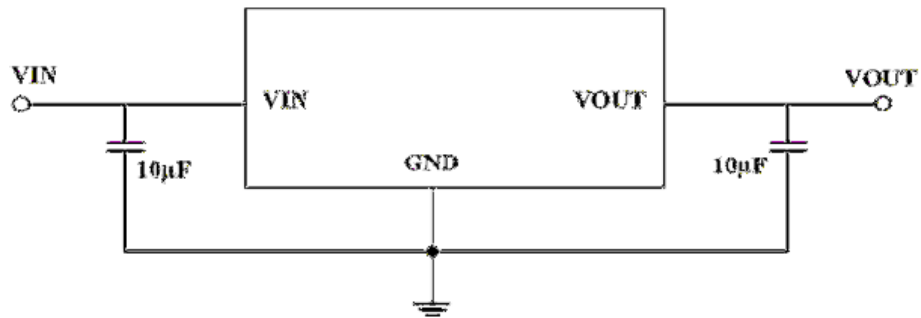
Parameter	Symbol	Rating	Unit
Working Voltage	V_{IN}	-0.3~+20	V
Thermal Resistance	R_{JA}	200	/W
Power Consumption	P_D	500	mW
Storage Temperature	T_{STG}	-50~+125	
Working Temperature	T_A	-40~+85	

Notes: If the device operating conditions over the maximum rating of the above-mentioned conditions, may cause permanent damage to the device. The above parameters is only part of the operating conditions the maximum, we do not recommend the device running outside the scope of this specification. If the device to work long hours under the condition of absolute maximum limit, its stability may be affected.

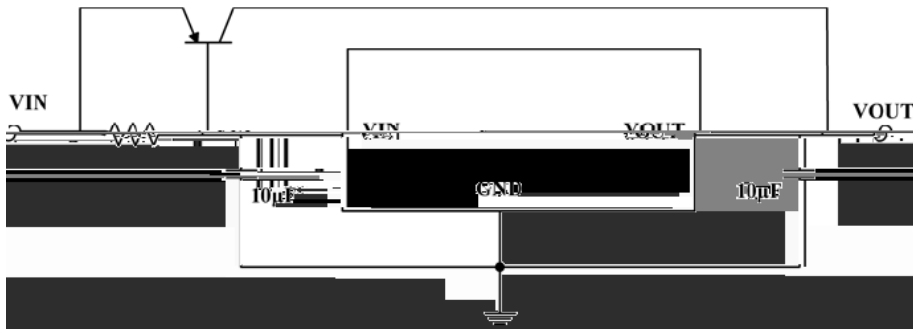
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
The Output Voltage	V_{OUT}	$V_{IN}=7.0V, I_{OUT}=10mA$	4.900	5.000	5.100	V
The Output Current	I_{OUT}	$V_{IN}=7.0V$	300			mA
Load Regulation	ΔV_{OUT}	$V_{IN}=7.0V$ $1mA \leq I_{OUT} \leq 300mA$		37	100	mV
Low Dropout	V_{DIF}	$I_{OUT}=100mA, \Delta V_{OUT}=2\%$		150	300	mV
Static Power	I_{SS}	$V_{IN}=7.0V$		1.5	3.0	A

Linear Regulation $\frac{\Delta V_{OUT}/V_{OUT}^*}{\Delta V_{IN} I}$

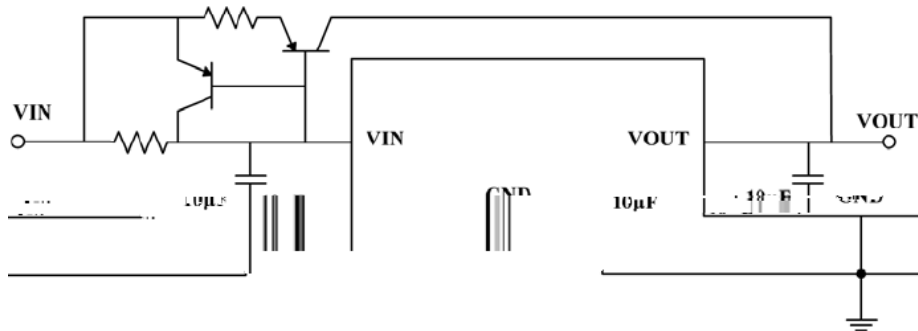
/ Basic Application



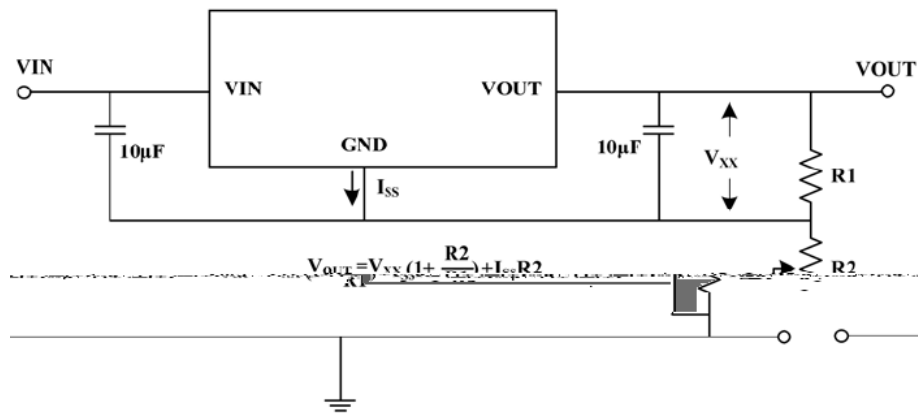
/ High Output Current Voltage Regulator



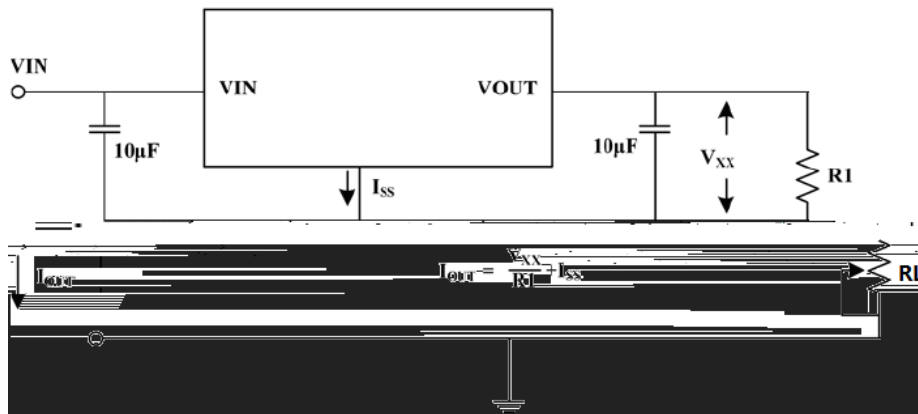
/ Short-Circuit Protection



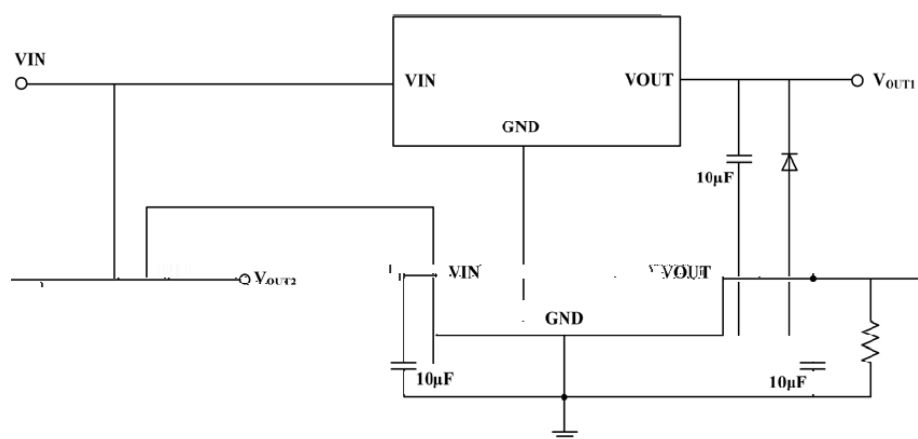
/ Circuit for Increasing Output Voltage

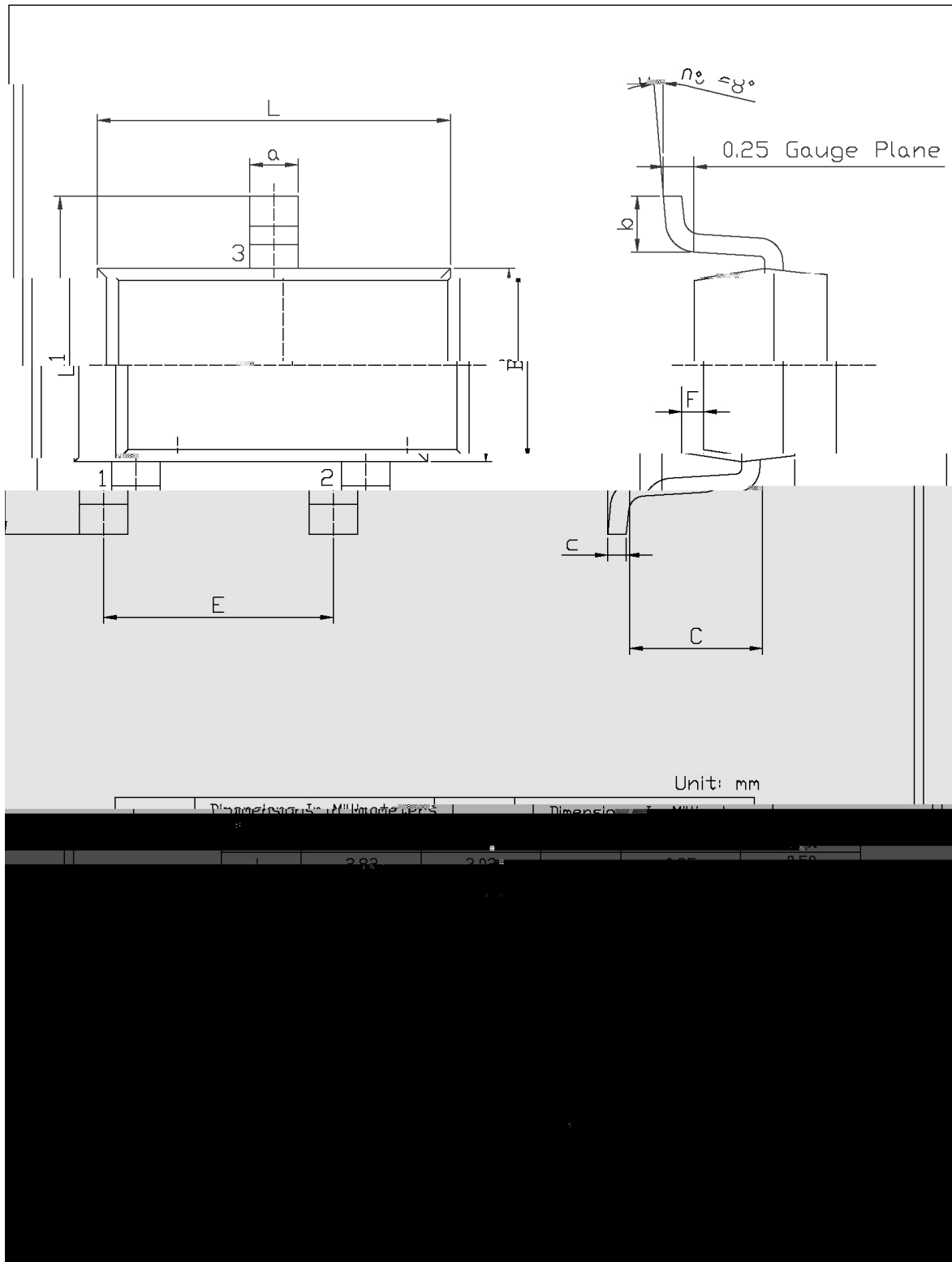


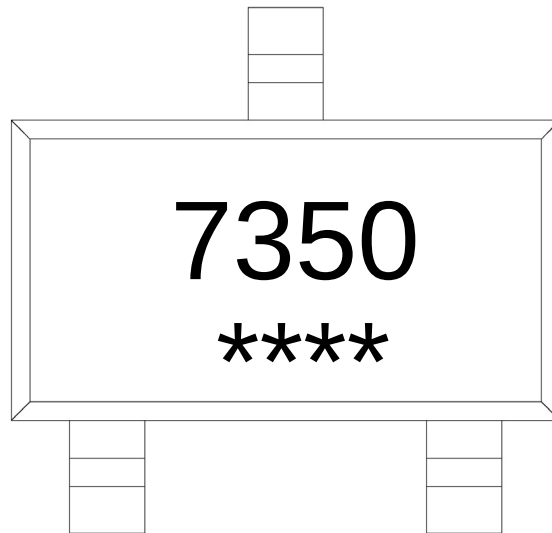
/ Constant Current Regulator



/ Double Output Circuit







7350

Note:

7350: Product Type

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

