

# BRC07533MT

Rev.B Jul.-2024



DATA SHEET

SOT-89

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

24V

1.5 $\mu$

# BRCO7533MT

Rev.B Jul.-2024

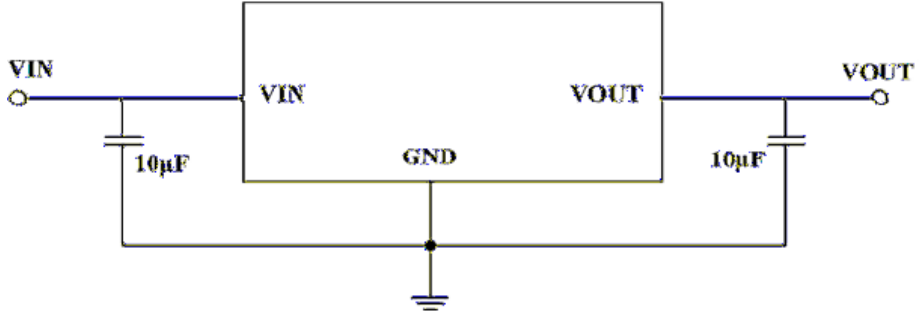


DATA SHEET

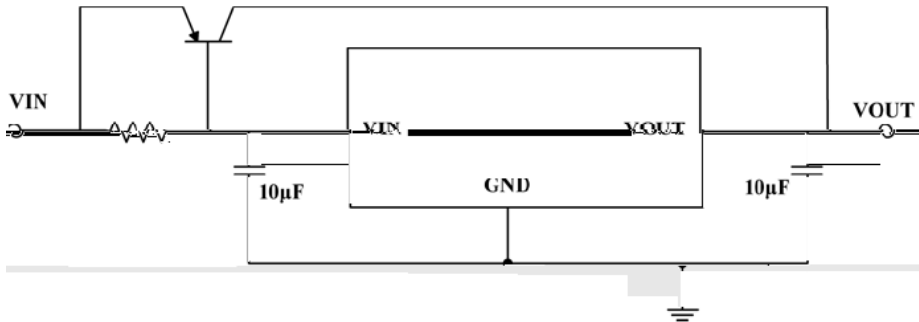
Parameter	Symbol	Rating	Unit
Working Voltage	$V_{IN}$	-0.3~+24	V
Thermal Resistance	$R_{JA}$	200	/W
Power Consumption	$P_D$	500	mW
Storage Temperature	$T_{STG}$	-50~+125	

**/ Typical Application Circuit**

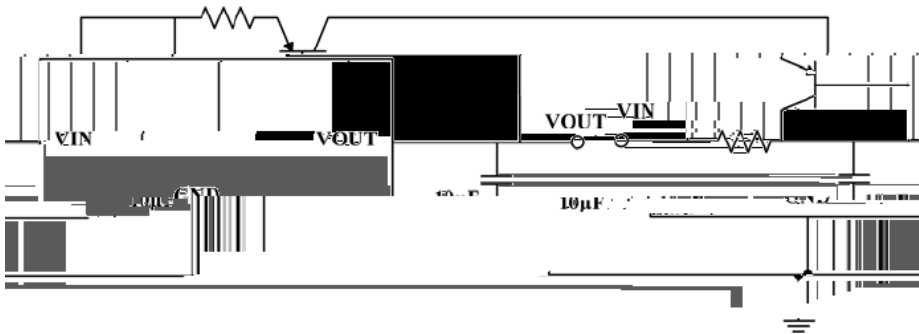
/ Basic Application



/ High Output Current Voltage Regulator

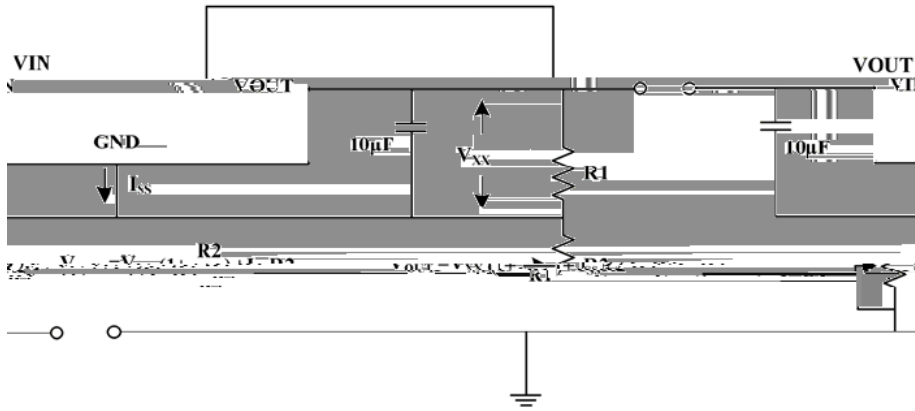


/ Short-Circuit Protection

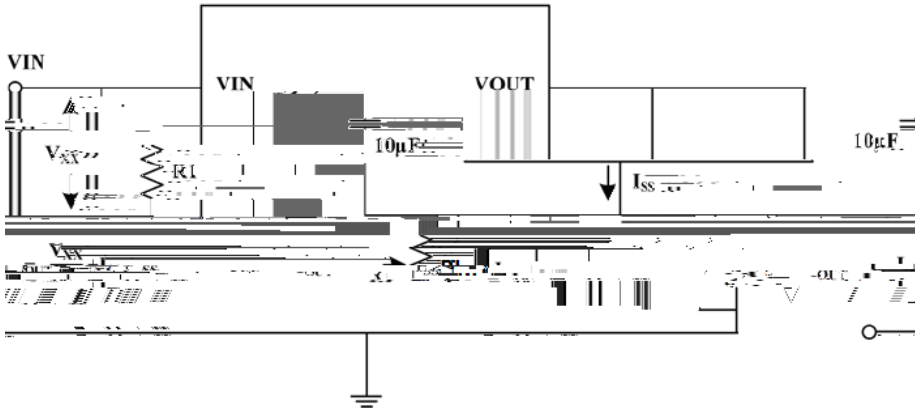


**/ Typical Application Circuit**

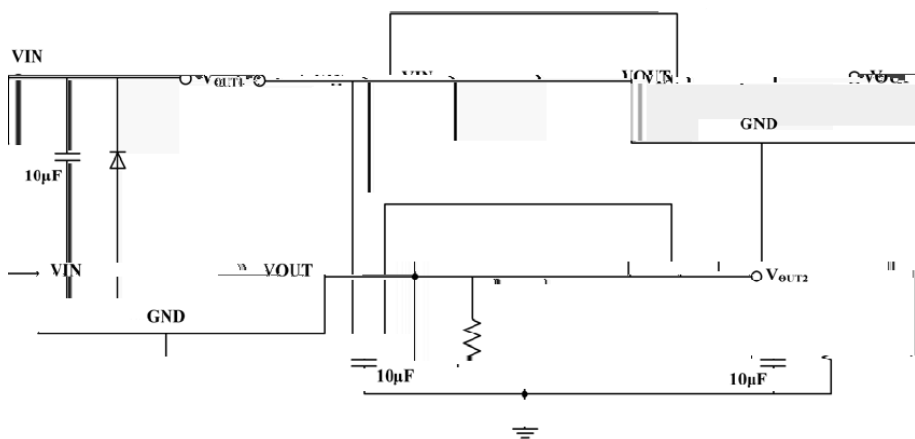
/ Circuit for Increasing Output Voltage



/ Constant Current Regulator

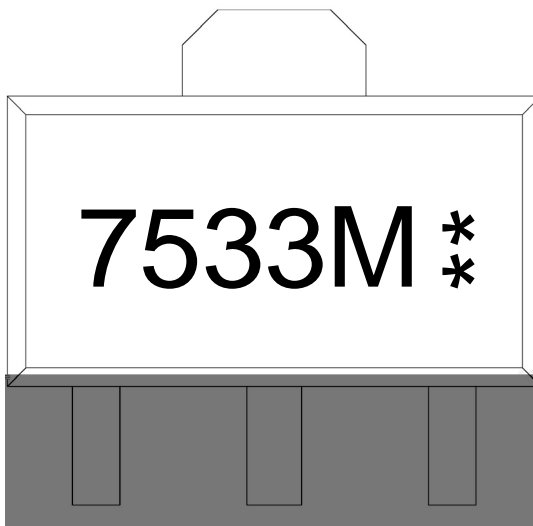


/ Double Output Circuit





/ Marking Instructions



7533M

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Note:

7533M: Product Type Code

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

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


Note:

1            150   180            60