



~ · ° / **Revised record**

A	2022-7-18	All	All		

**BRCO7333MC**

Rev.A Jul.-

# BRC07333MC

Rev.A Jul.-2022



DATA SHEET

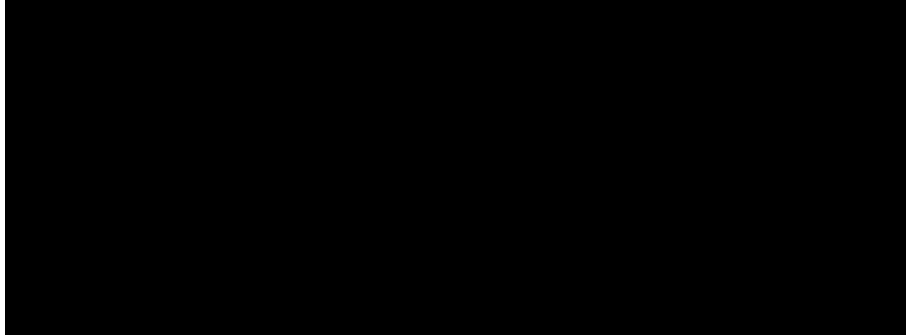
Parameter

R

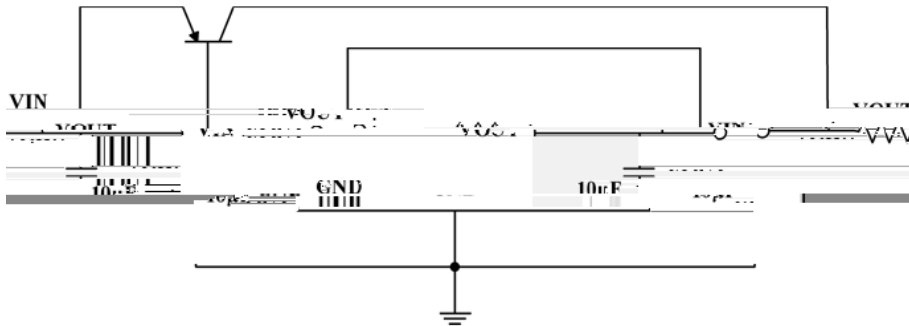
Parameter	Symbol	Rating	Unit
Working Voltage	$V_{IN}$	-0.3~+20	V
Thermal Resistance	$R_{JA}$	500	$^{\circ}C/W$
Power Consumption	$P_D$	200	mW
Storage Temperature	$T_{STG}$	-50~+125	$^{\circ}C$
Working Temperature	$T_A$	-40~+85	$^{\circ}C$

**1 2 3 † \$ % / Typical Application Circuit**

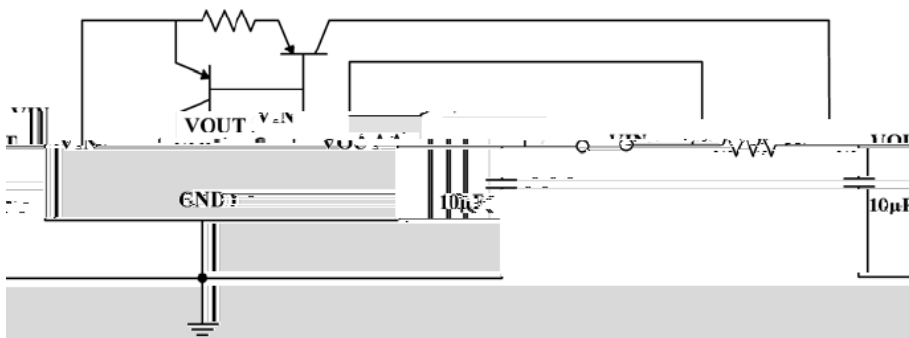
/ Basic Application



/ High Output Current Voltage Regulator

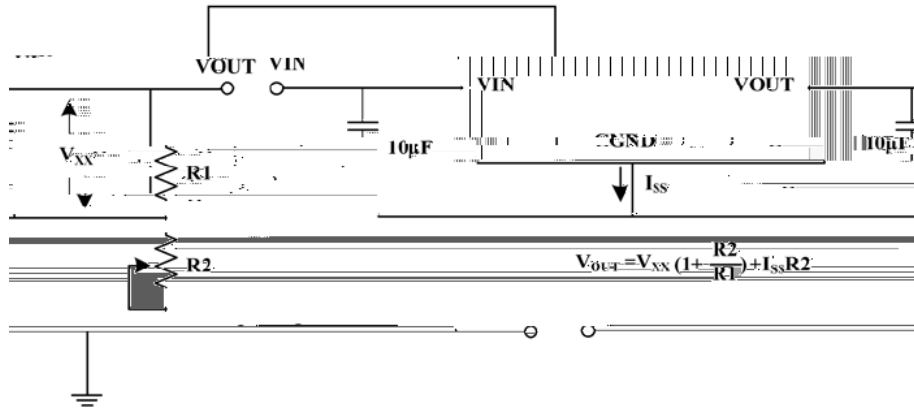


/ Short-Circuit Protection

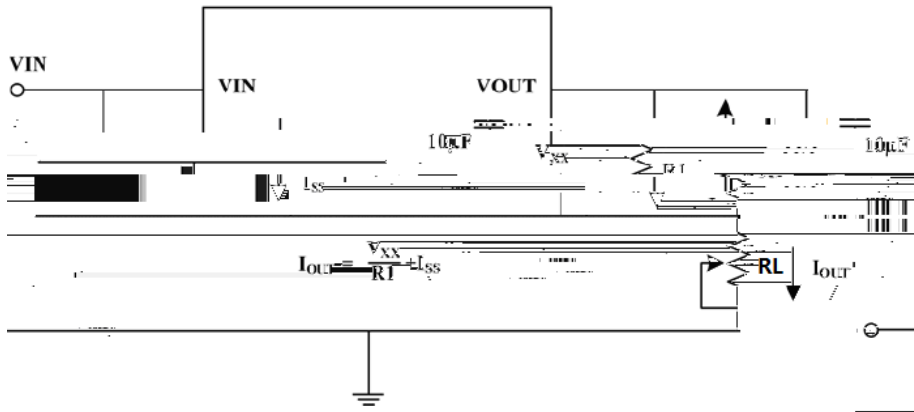


**1 2 3 † \$ % / Typical Application Circuit**

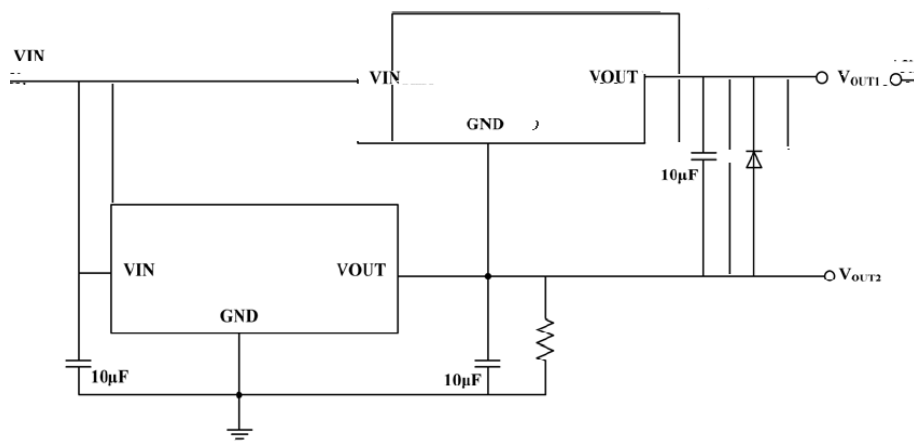
/ Circuit for Increasing Output Voltage



/ Constant Current Regulator

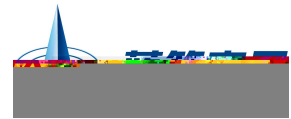


/ Double Output Circuit









; < = > ? @ A 8 ( B C ) / DEF GEH JKHEILMNO PQRSTU VWXYZ [\HEE]


**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.            |

**^ = \_ ` a b c d / Resistance to Soldering Heat Test Conditions**

260±5°C                      10±1 sec.                      Temp.:260±5°C                      Time:10±1 sec

**e f g h / Packaging SPEC.**

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT23-3	3,000	10	30,000	4	120,000	7" × 8	210× 205× 205	445× 230× 235