

TO-263 Voltage Regulator in a TO-263 Plastic Package.

1.0A,
3-Terminal regulators ,output current up to 1.0A, internal thermal overload protection and short-circuit limiting.

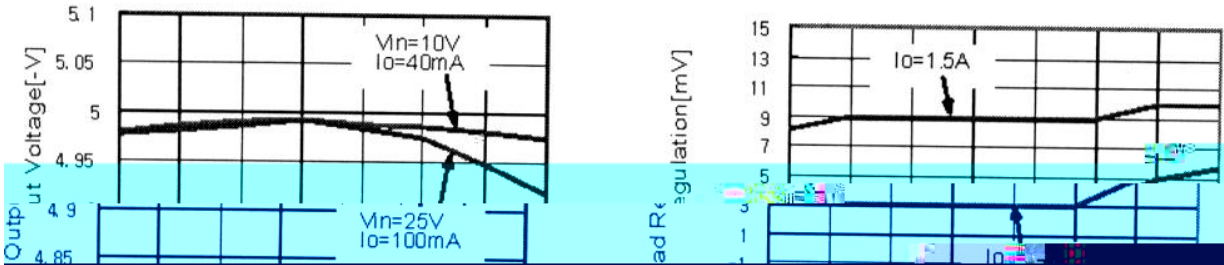
Voltage Regulator.

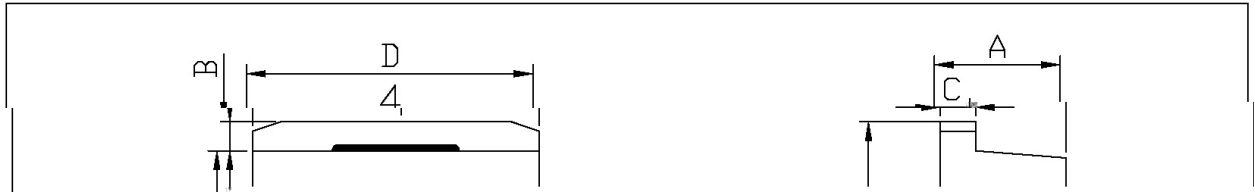


PIN1 GND PIN 2 4 IN PIN 3

Parameter	Symbol	Rating	Unit
Input voltage	V_I	-35	V
Output current	I_O	1.0	A
Operating virtual Junction temperature	T_J	0 125	
Power Dissipation	P_D	15	W
Storage temperature range	T_{stg}	-65 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$T_J=25$	-4.80	-5.0	-5.2	V
		$I_O=5mA$ to 1A $V_I=-20V$ to -7V	-4.75	-5.0	-5.25	V
Load Regulation	V_O	$T_J=25$ $V_I=-25V$ to -7V		3.0	100	mV
		$T_J=25$ $V_I=-12V$ to -8V		1.0	50	mV
Line regulation	V_O	$T_J=25$ $I_O=5mA$ to 5A			100	mV
		$T_J=25$ $I_O=250mA$ to 750mA			50	mV
Ripple rejection	RR	$V_I=-18V$ to -8V $f=120Hz$ $T_J=25$	62			dB
Output noise voltage	V_N	$f=10Hz-100KHz$ $T_J=25$			40	μV
Dropout voltage	V_D	$T_J=25$ $I_O=1A$	N			

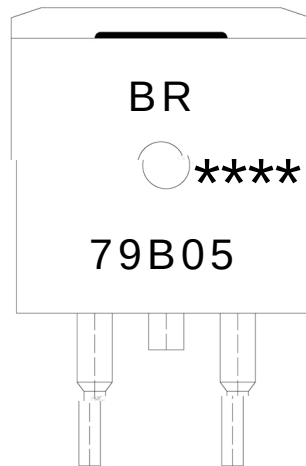




单位: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
A	4.30	4.70	e	9.00	9.40
e	2.34	2.74	e1	2.34	2.74
b	0.70	0.90	e2	4.88	5.28
b1	1.15	1.35	L1	15.00	16.00
b2	0.40	0.60	L2	2.24	2.84
C	1.20	1.40	L3	1.20	1.60
D	9.80	10.20			





BR

79B05

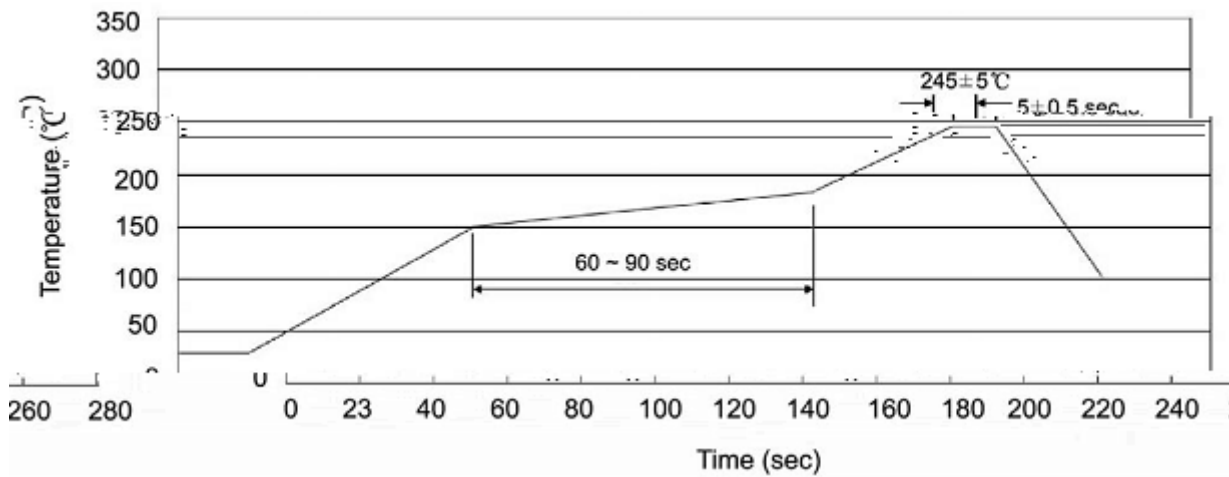
Note:

BR: Company Code.

79B05: Product Type.

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

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

260±5

10±1 sec.

Temp:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
TO-263	800	1	800	5	4,000	13 ×24	360×360×50	385×257×392

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-263	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180