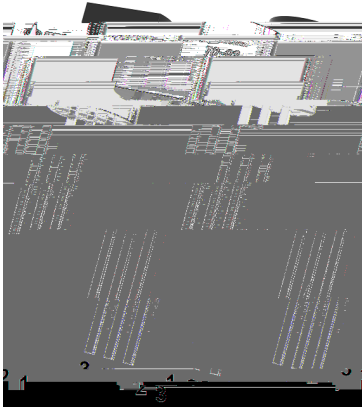


5 é / : 5 .> // x 9² ... ~ož Voltage Regulator in a TO-92 Plastic Package.α a / € | 9² ... ~k ý ß v ä S' Ä — ½ ' y ? è ' ò ož

3-Terminal regulators ,output current up to 100 mA, internal thermal overload protection and short-circuit limiting.

Đ ÷ / 9² ... ~ož

Voltage Regulator.

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• Ů - æ / 

PIN1 y IN

PIN 2 y GND

PIN 3 y OUT

, M V / 

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See Marking Instructions.

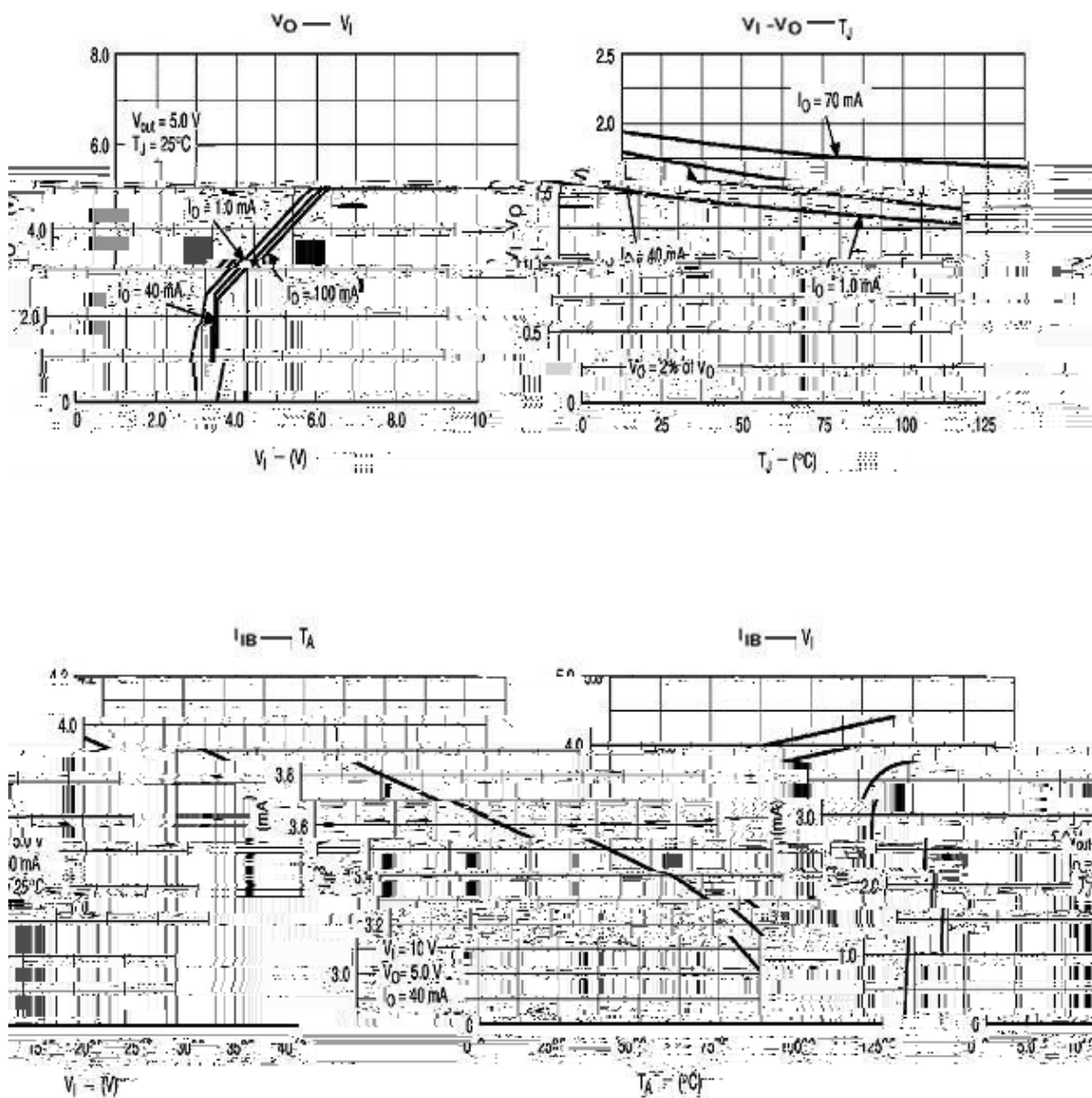
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@ f Parameter	... Z Symbol	f > Rating	% y Unit
Input voltage	V _I	30	V
Output current	I _O	100	mA
Operating Temperature Range	T _{OPR}	-40 125	
Power Dissipation	P _D	500	mW
Storage temperature range	T _{stg}	-65 150	

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@ f Parameter	... Z Symbol	y j Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Output voltage	V _O	I _O ≤40mA T _j =25	4.80	5.0	5.2	V
		I _O =1mA to 40mA V _I =7V to 20V	4.75	5.0	5.25	V
		I _O =1mA to 70mA V _I =10V	4.75	5.0	5.25	V
Input regulation	, V _O	V _I =7V to 20V T _j =25		32	150	mV
		V _I =8V to 20V T _j =25		26	100	mV
Output regulation	, V _O	I _O =1mA to 100mA T _j =25		15	60	mV
		I _O =1mA to 40 mA T _j =25		8	30	mV
Ripple rejection	RR	V _I =8V to 18V f=120Hz T _j =25	41	49		dB
Output noise voltage	V _N	f=10Hz-100KHz T _j =25		42		V
Dropout voltage	V _D	T _j =25		1.7		V
Bias current	I _Q	T _j =25		3.8	6	mA
		T _j =125			5.5	mA
Bias current change	, I _Q	V _I =8V to 20V			1.5	mA
		I _O =1mA to 40mA			0.1	mA

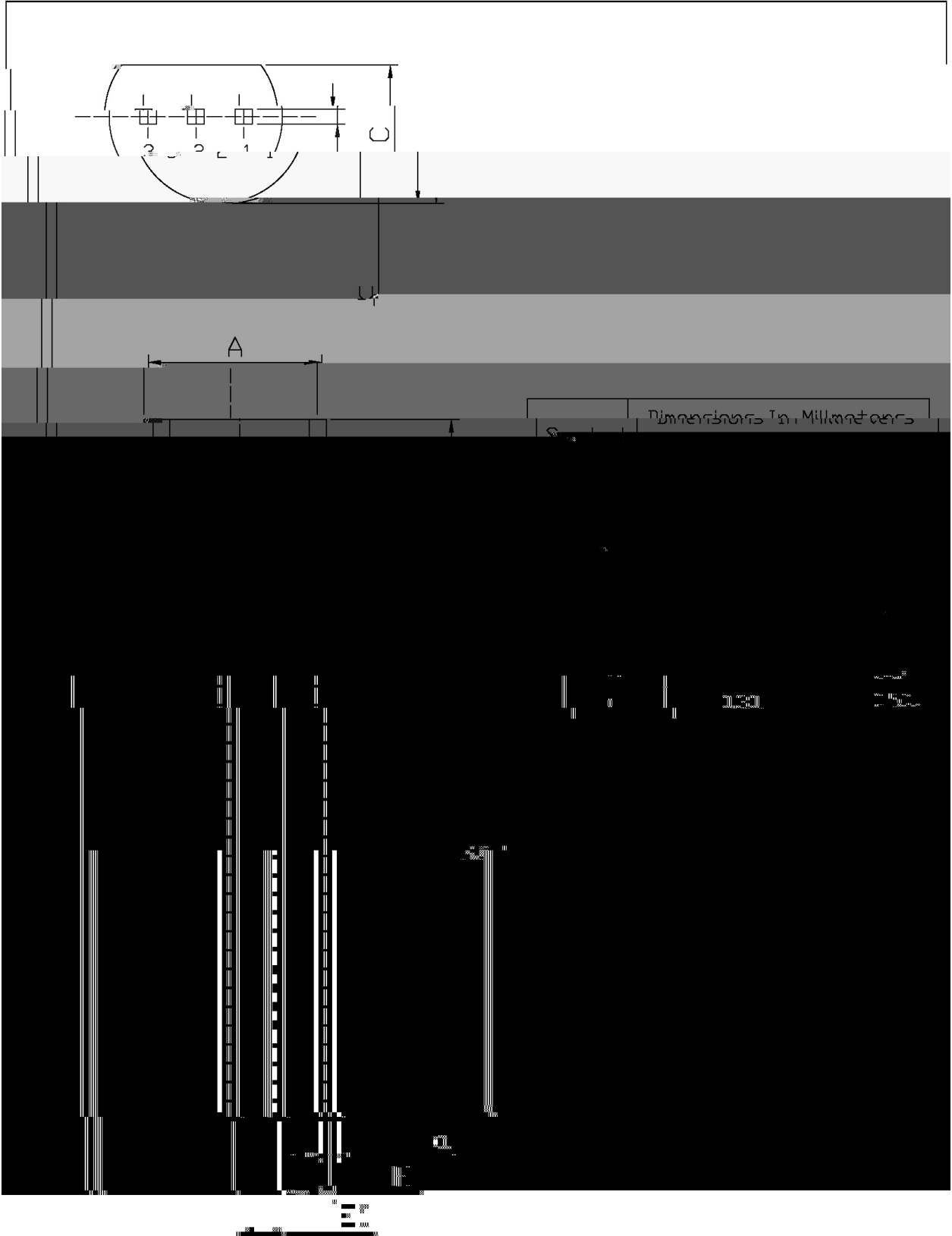
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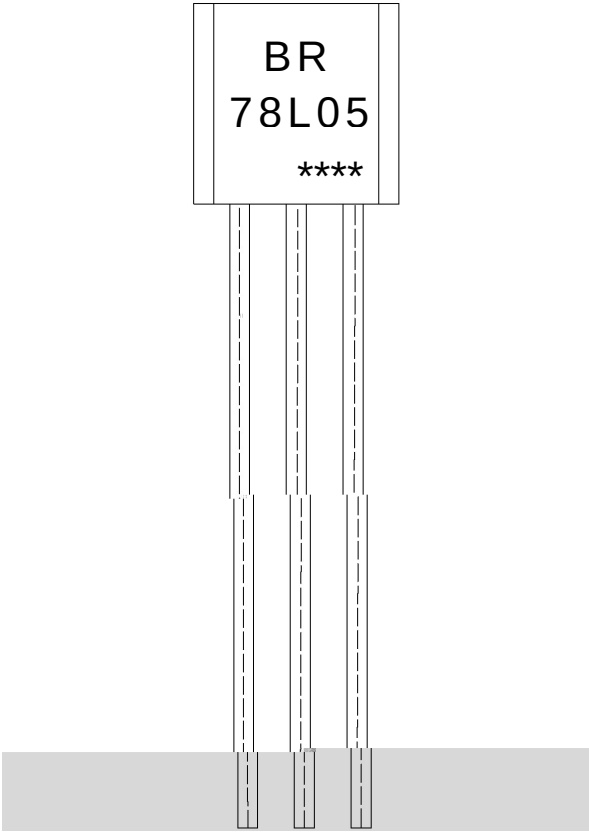
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T0-92

Unit: mm



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Note:
BR: Company Code
78L05: Product Type
****: Lot No. Code, code change with Lot No

G PD t...•Žč (x/) / 图 5

a ç y
1o• Ä ½ “† 25 ½150 - k ž • 60 ½90sec;
2o• Q > “† 255 r5 - k ž • 4 Ò 5 r0.5sec;
3o•D N ò i Ò 0 ,† 2 ½10 - /sec.

Note:
1.Preheating:25~150 - , Time:60~90sec.
2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.
3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / 图 6

“† y 270 r5 - ž • y 10 r1 sec. Temp.:270±5 Time:10±1 sec

G P á / 图 7

• ^ x / BULK