

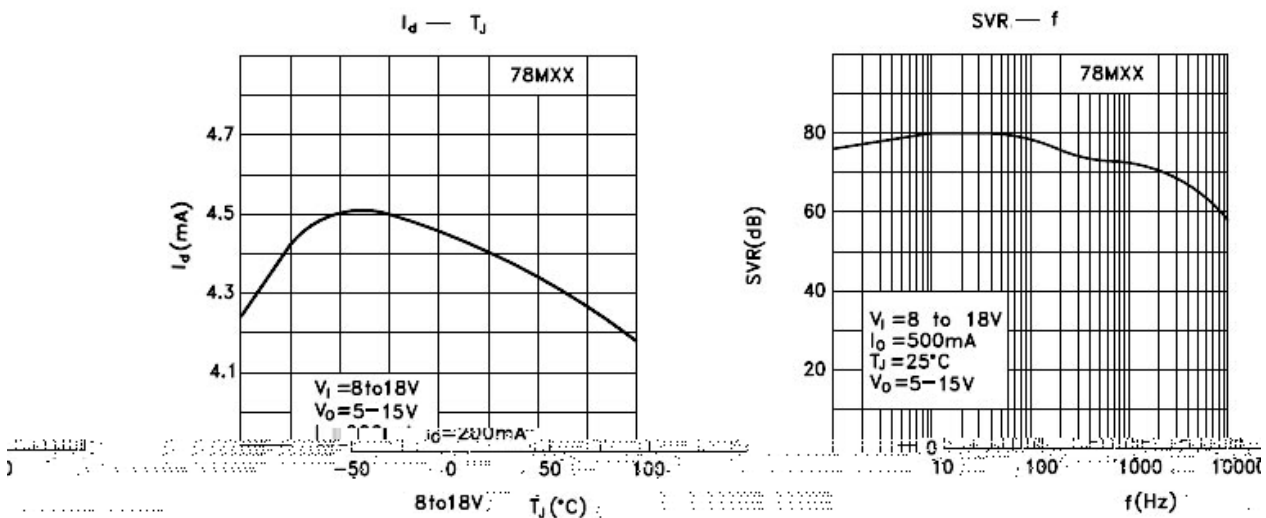
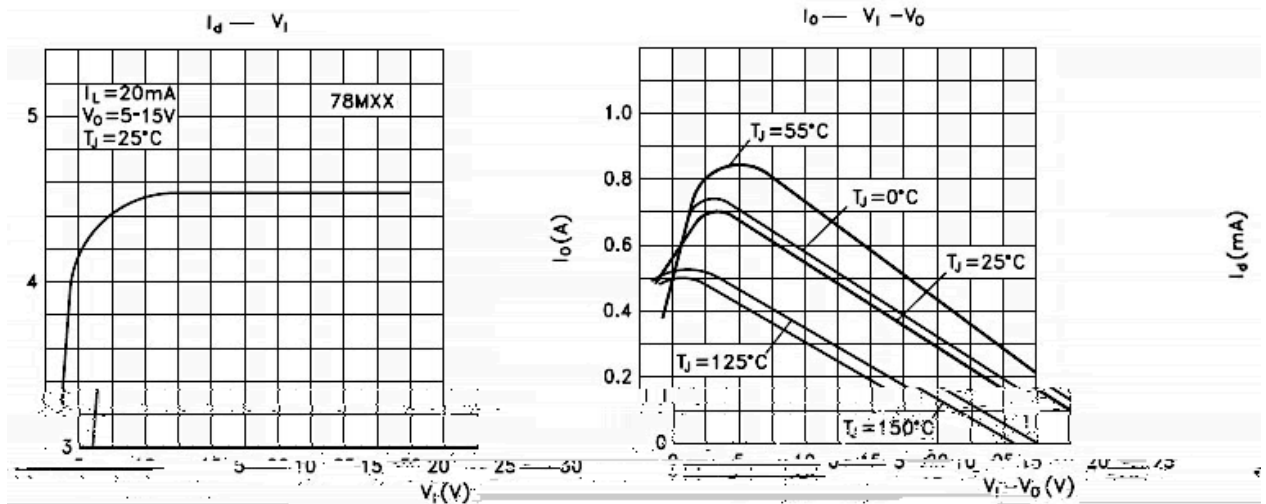
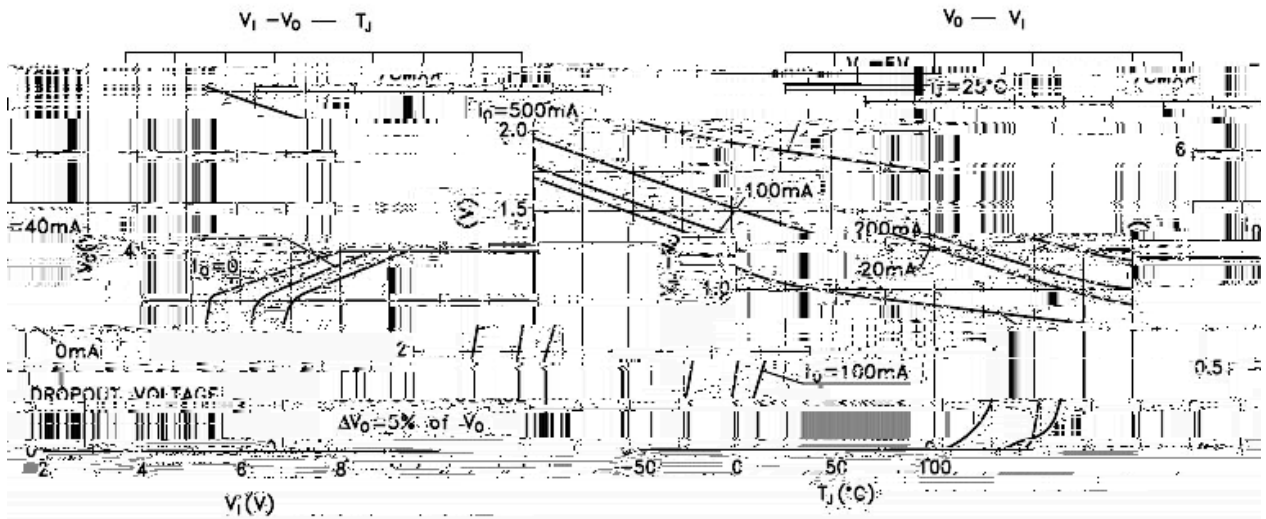
Rev.G Dec.-2018

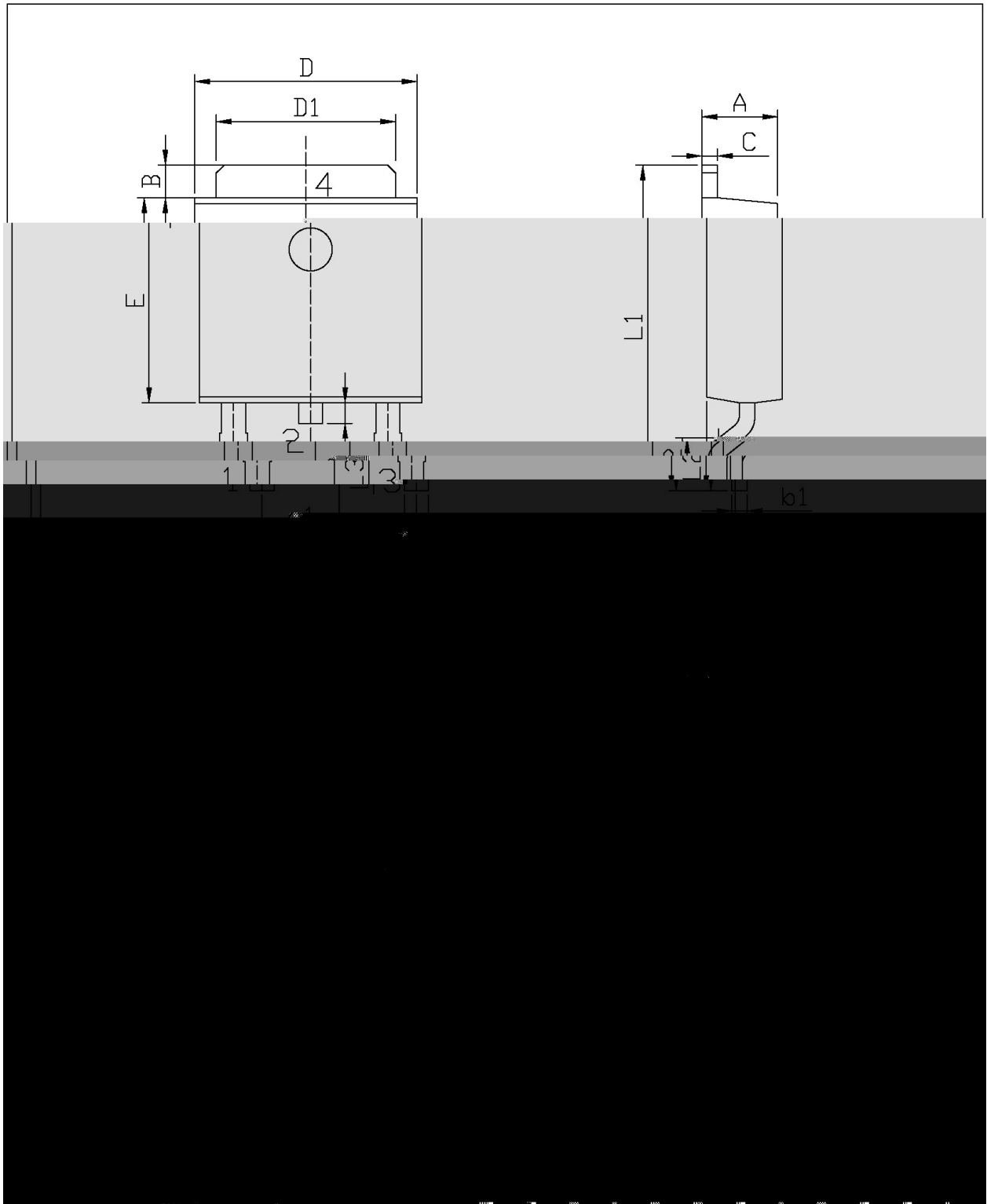
TO-252

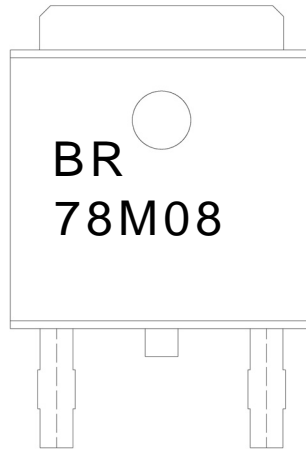
Voltage Regulator in a TO-252 Plastic Package.

Parameter	Symbol	Rating	Unit
Input voltage	V_i	35	V
Thermal Resistance Junction-ambient	R_{JA}	100	$^{\circ}\text{C}/\text{W}$
Thermal Resistance Junction-case	R_{JC}	8.0	$^{\circ}\text{C}/\text{W}$
Operating Junction Temperature Range	T_{OPR}	0~125	$^{\circ}\text{C}$
Storage temperature range	T_{stg}	-65~150	$^{\circ}\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_o	$T_j=25$	7.8	8	8.2	V
		$V_i=10.5\text{V}-25\text{V}$ $I_o=5\text{mA}-350\text{mA}$	7.7	8	8.3	V
Load Regulation	ΔV_o	$T_j=25$ $I_o=5\text{mA}-500\text{mA}$			100	mV
		$T_j=25$ $I_o=5\text{mA}-200\text{mA}$			50	mV
Line regulation	ΔV_o	$T_j=25$ $V_i=10.5\text{V}-25\text{V}$			100	mV
		$T_j=25$ $V_i=11\text{V}-25\text{V}$			50	mV
Output Noise Voltage	eN	$T_j=25^{\circ}\text{C}$ B=10Hz-100KHz		52		μV
Supply Voltage Rejection	SVR	f=120Hz $V_i=11.5\text{V}-21.5\text{V}$	56			dB
Short Circuit Current	Isc	$V_i=35\text{V}$ $T_j=25^{\circ}\text{C}$		250		mA
Quiescent Current	I _d	$T_j=25^{\circ}\text{C}$			6	mA
Quiescent Current Change	ΔI_d	$V_i=8\text{V}-25\text{V}$			0.8	mA
		$I_o=5\text{mA}-350\text{mA}$			0.5	mA
Output Voltage Drift	$\Delta V_o/\Delta T$	$I_o=5\text{mA}$		0.5		$\text{mV}/^{\circ}\text{C}$







BR

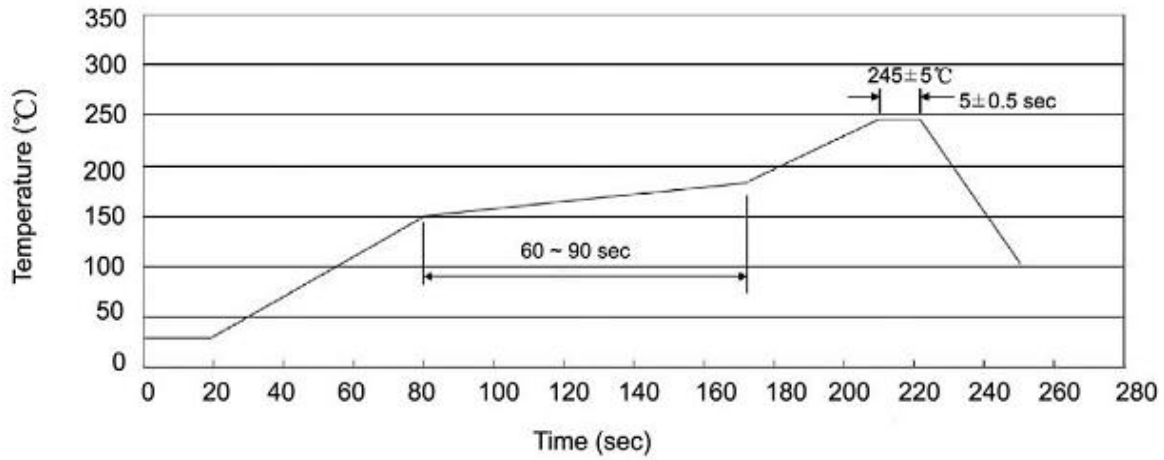
78M08

Note:

BR: Company Code.

78M08: Product Type.

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



Note:

- | | | | | | |
|---|-------|-----|----|-----------|-----------------------------------------|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , 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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只卷盘	卷盘盒	只盒	盒箱	只箱		盒	箱
						"		

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只套管	套管盒	只盒	盒箱	只箱	套管	盒	箱