

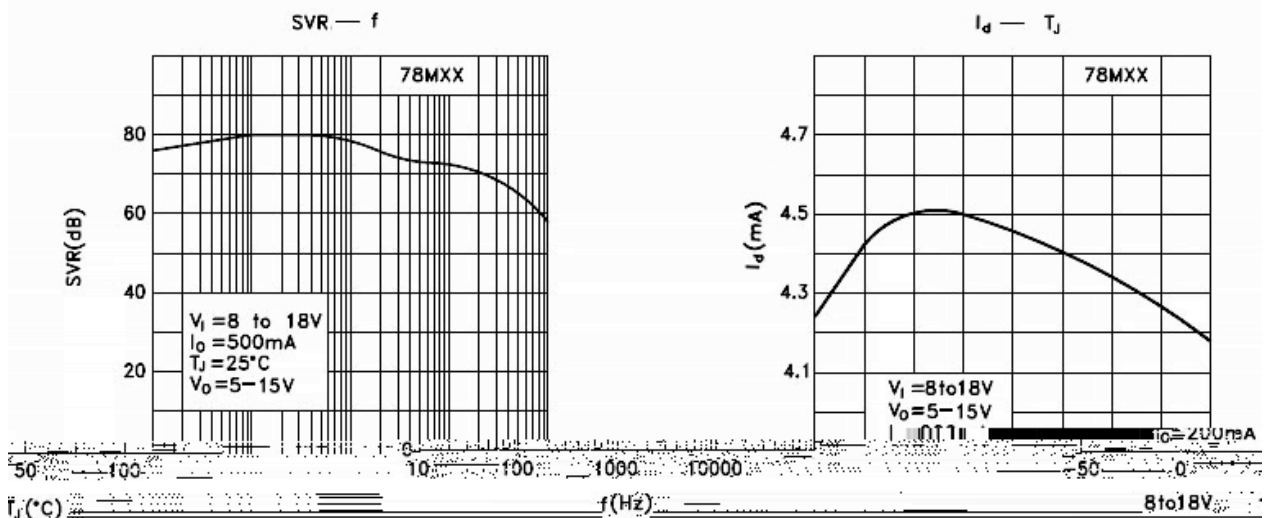
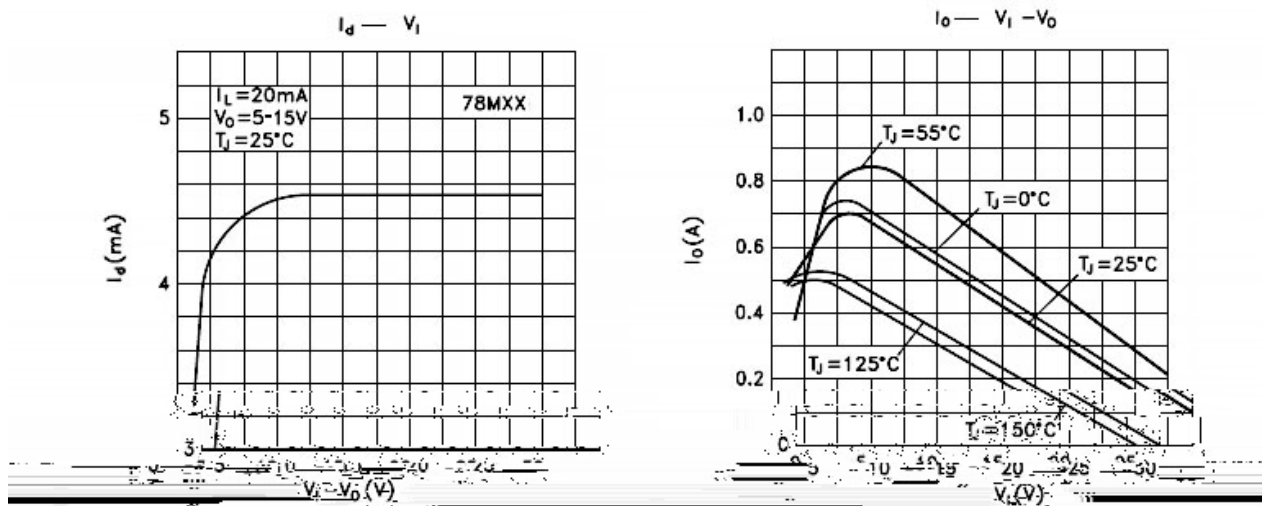
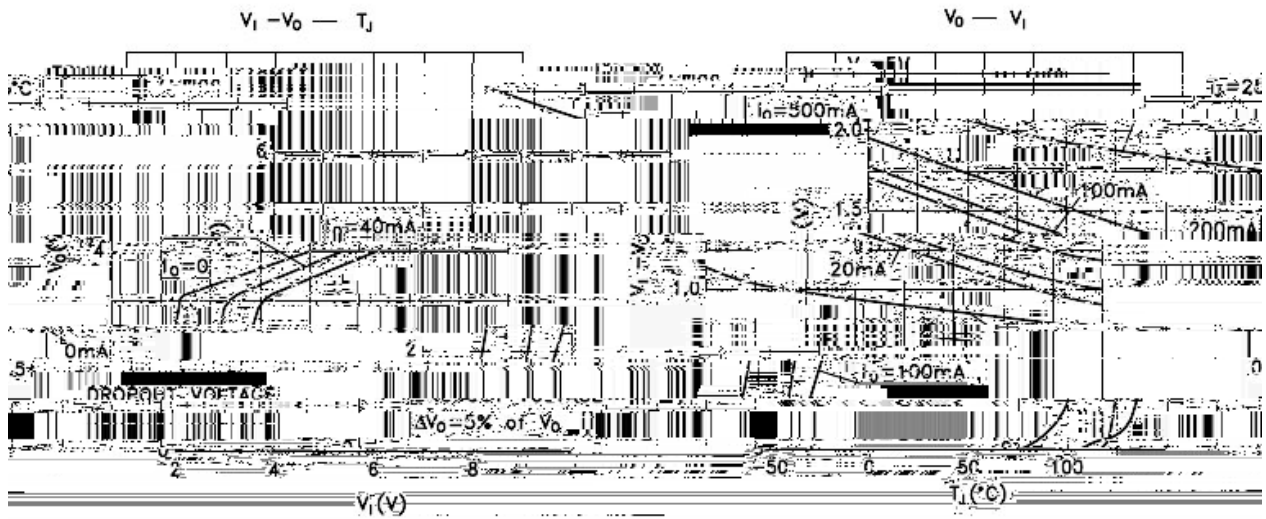
Rev.G Dec.-2018

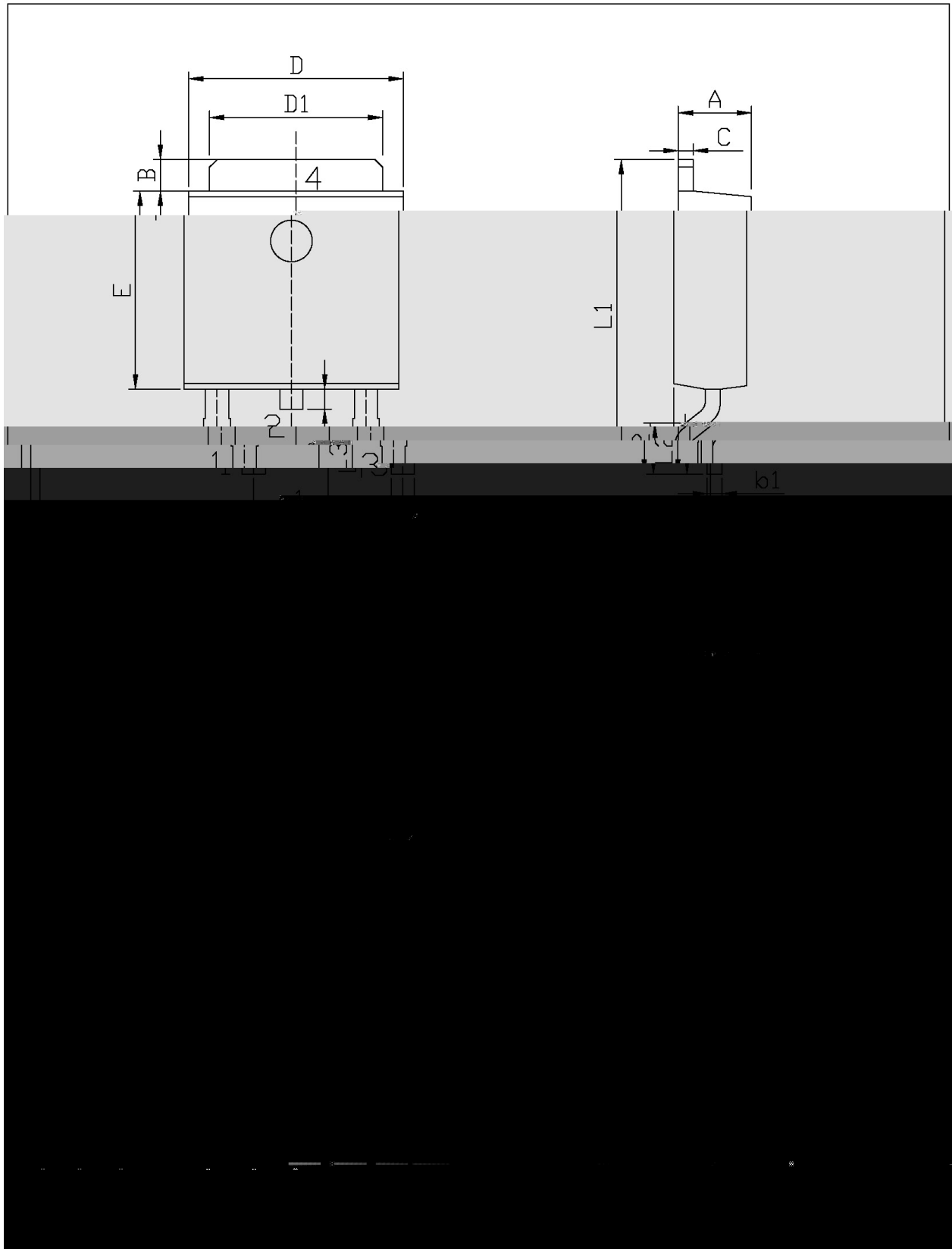
TO-252

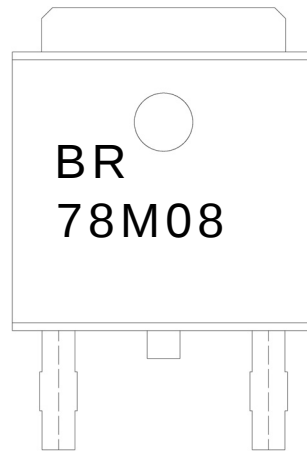
Voltage Regulator in a TO-252 Plastic Package.

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

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







BR

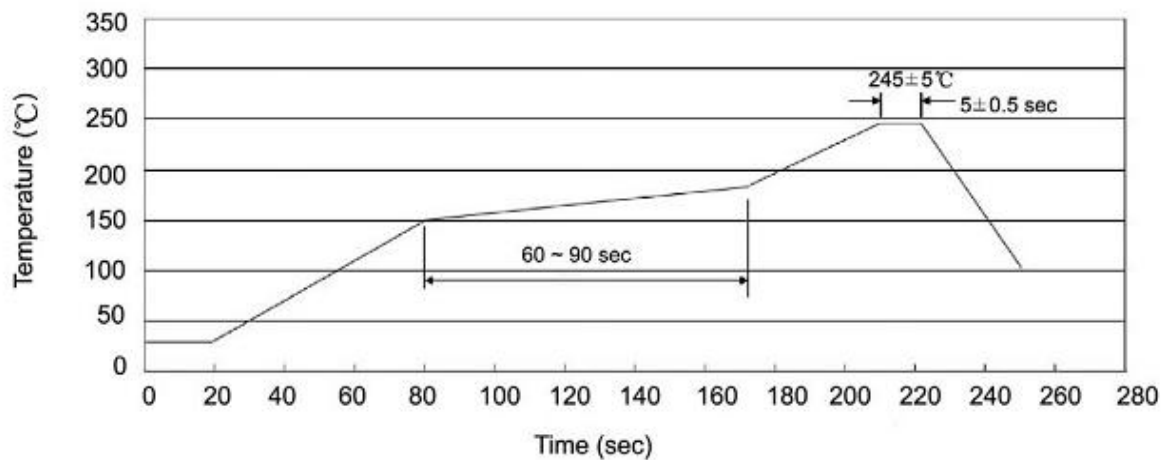
78M08

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
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/ 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