

# TEST DATA OF MGW304812

Regulated DC Power Supply  
November 18, 2010

Approved by : Kazunari Asano  
Kazunari Asano Design Manager

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**COSEL CO.,LTD.**

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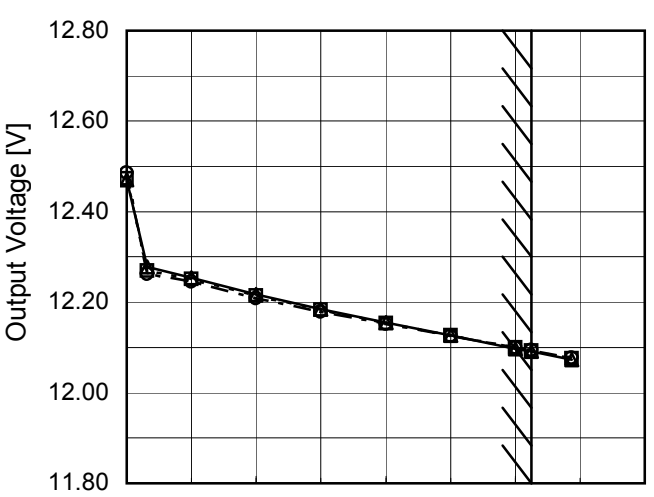
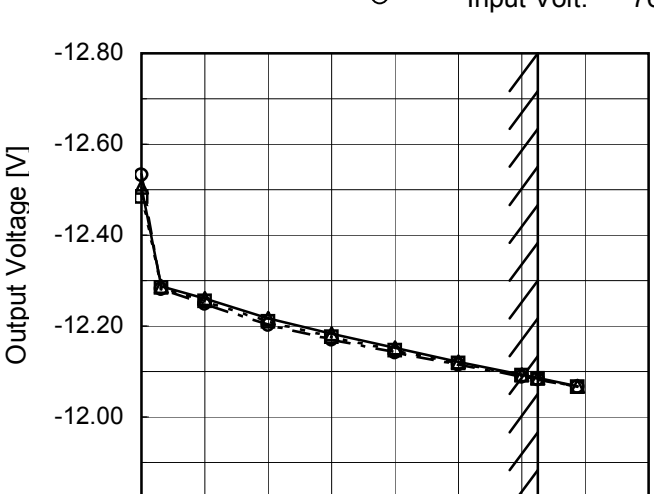
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Object	+12V1.25A		
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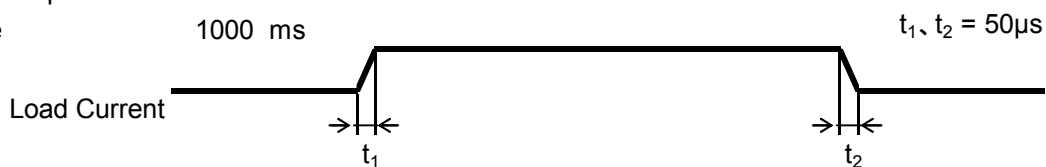
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Note: Slanted line shows the range of the rated load current.																																																							

Model	MGW304812	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Response	
Object	+12V1.25A	

Input Volt. 48 V

Other output current rated

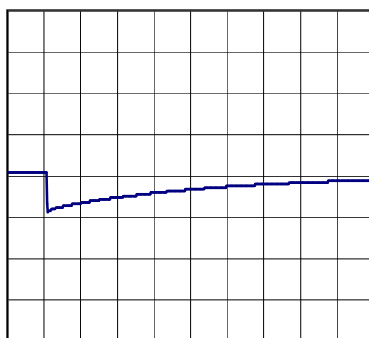
Cycle 1000 ms



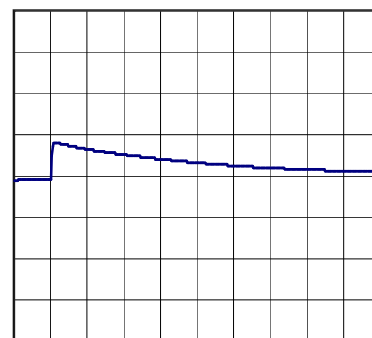
Min. Load (0A)  $\longleftrightarrow$

Load 100% (1.25A)

500mV/div



50ms/div

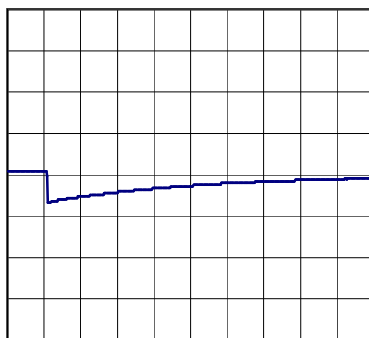


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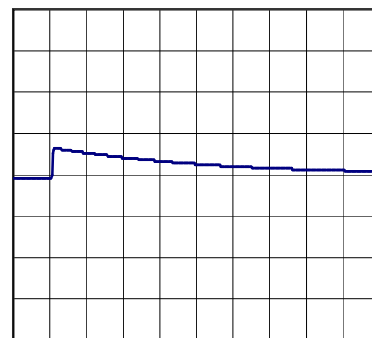
Min. Load (0A)  $\longleftrightarrow$

Load 50% (0.625A)

500mV/div



50ms/div

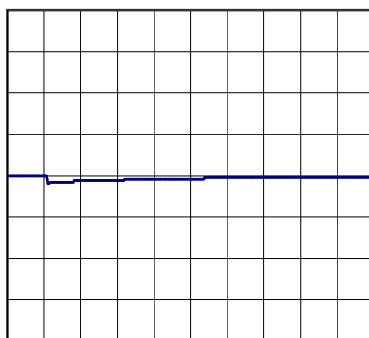


50ms/div

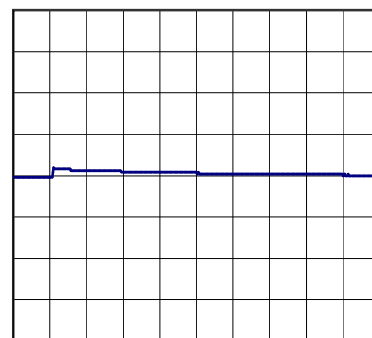
Load 50% (0.625A)  $\longleftrightarrow$

Load 100% (1.25A)

500mV/div



50ms/div



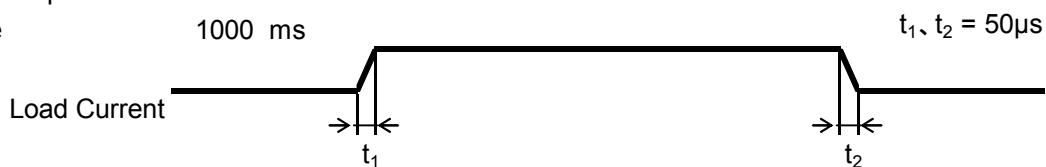
50ms/div

Model	MGW304812	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Response	
Object	-12V1.25A	

Input Volt. 48 V

Other output current rated

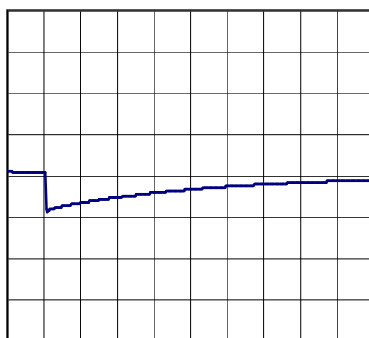
Cycle 1000 ms



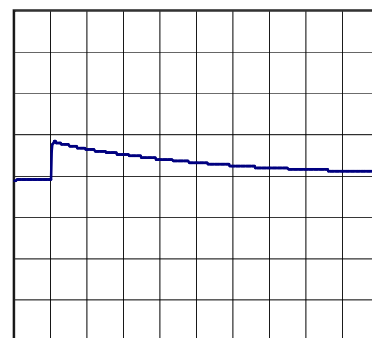
Min. Load (0A)  $\longleftrightarrow$

Load 100% (1.25A)

500mV/div



50ms/div

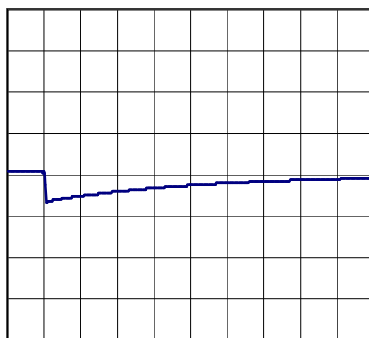


50ms/div

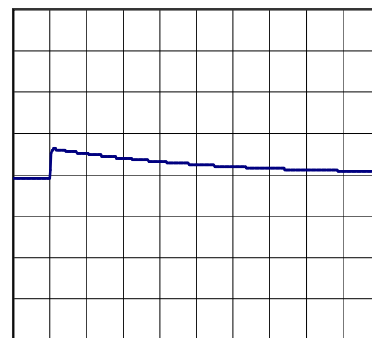
Min. Load (0A)  $\longleftrightarrow$

Load 50% (0.625A)

500mV/div



50ms/div

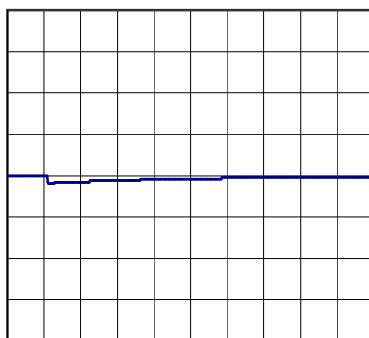


50ms/div

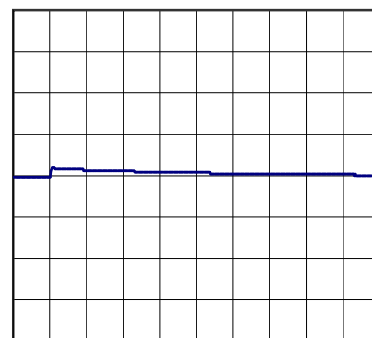
Load 50% (0.625A)  $\longleftrightarrow$

Load 100% (1.25A)

500mV/div



50ms/div



50ms/div

Model		MGW304812																																																																											
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Item	Ripple Voltage (by Ambient Temp.)	Testing Circuitry    Figure A																																					
Object	+12V1.25A																																						
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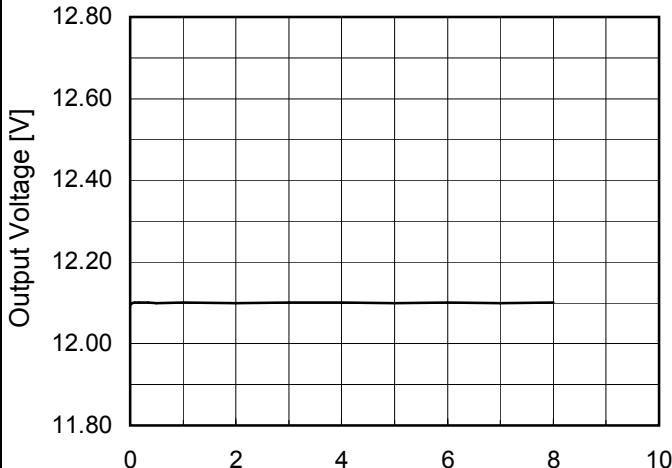
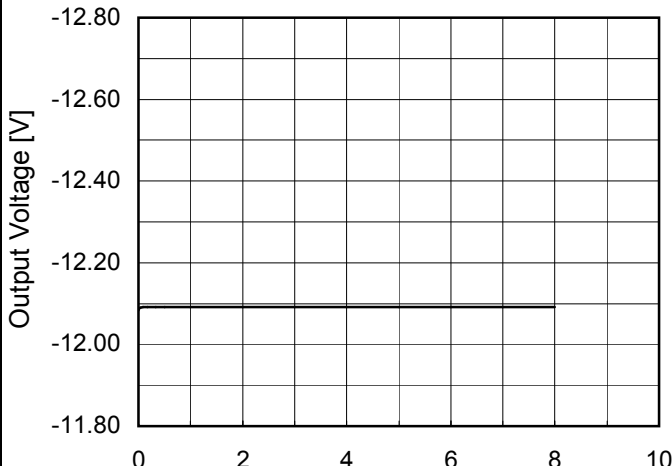
- 14 -

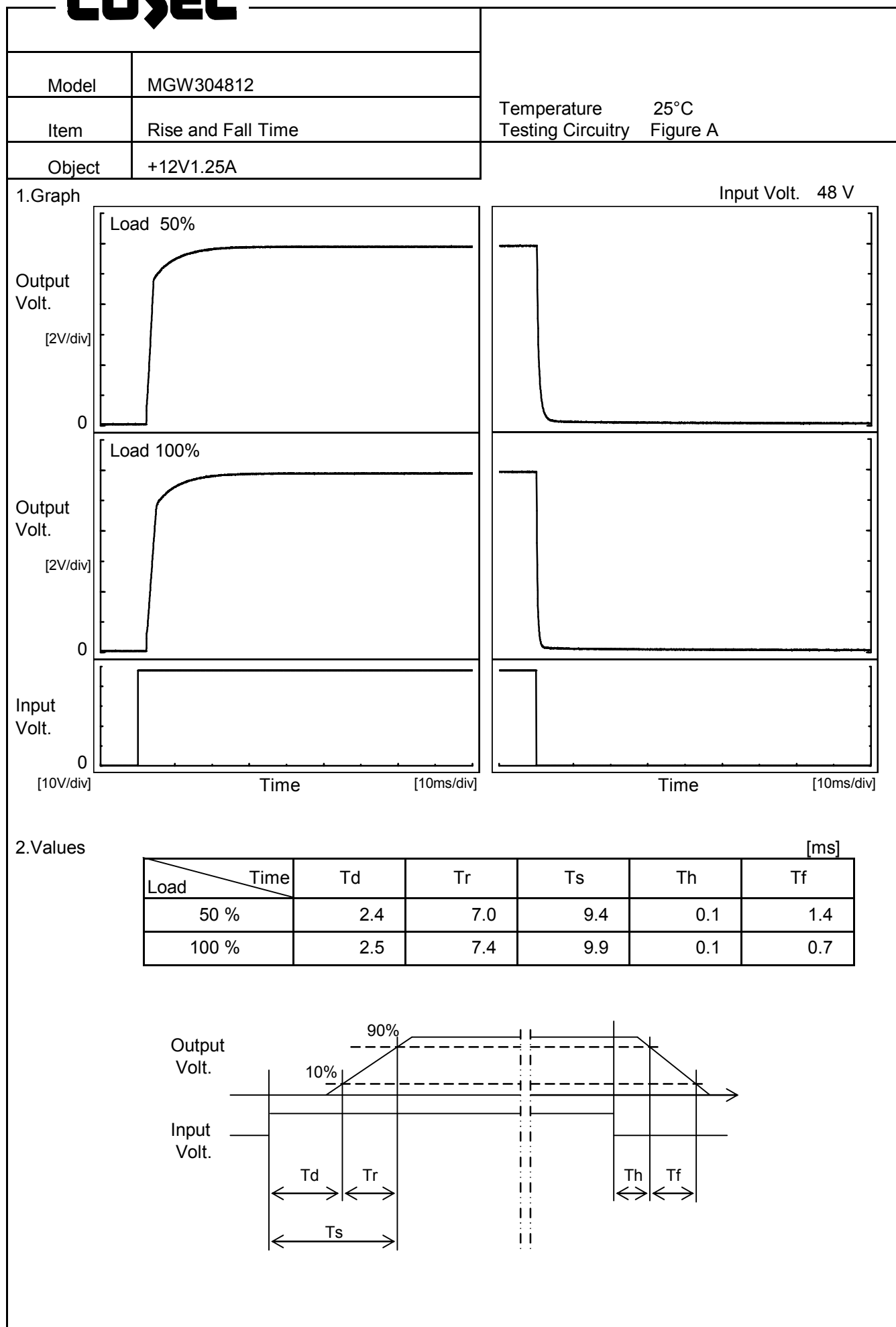
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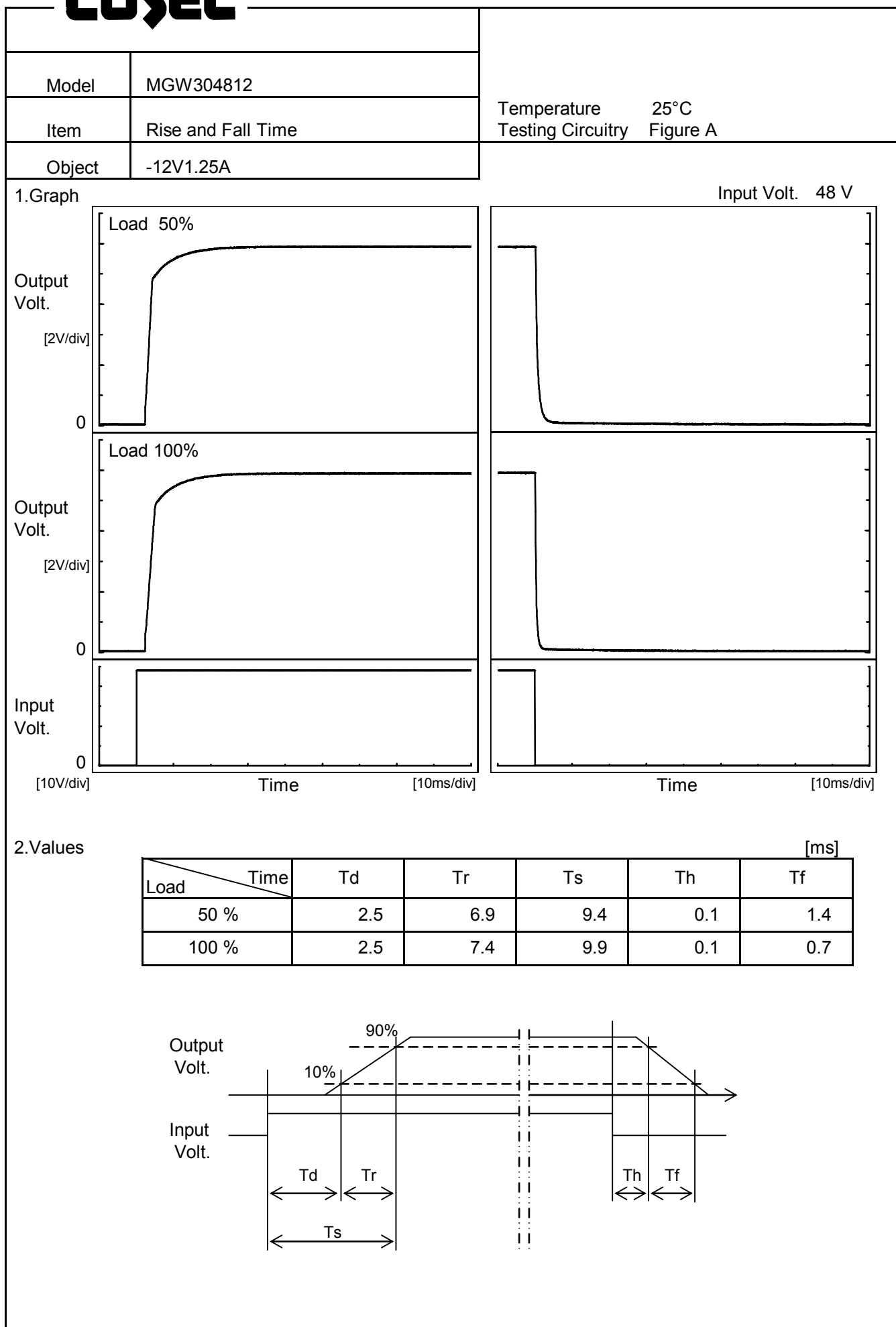


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Item	Time Lapse Drift	Temperature	25°C																						
		Testing Circuitry	Figure A																						
Object	+12V1.25A																								
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Model	MGW304812	Testing Circuitry    Figure A																																							
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Object	+12V1.25A																																								
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Model	MGW304812																																								
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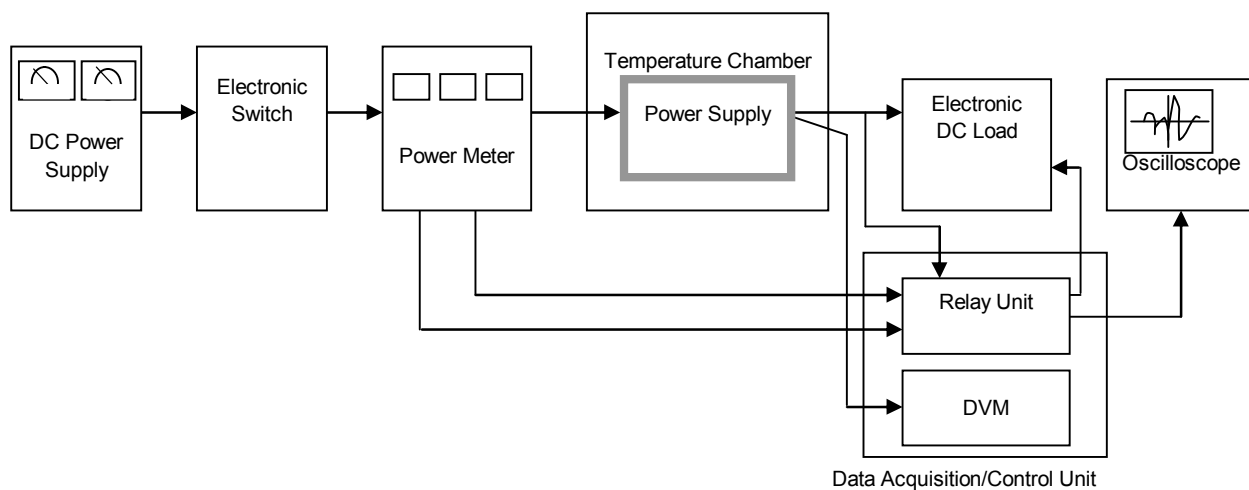


Figure A

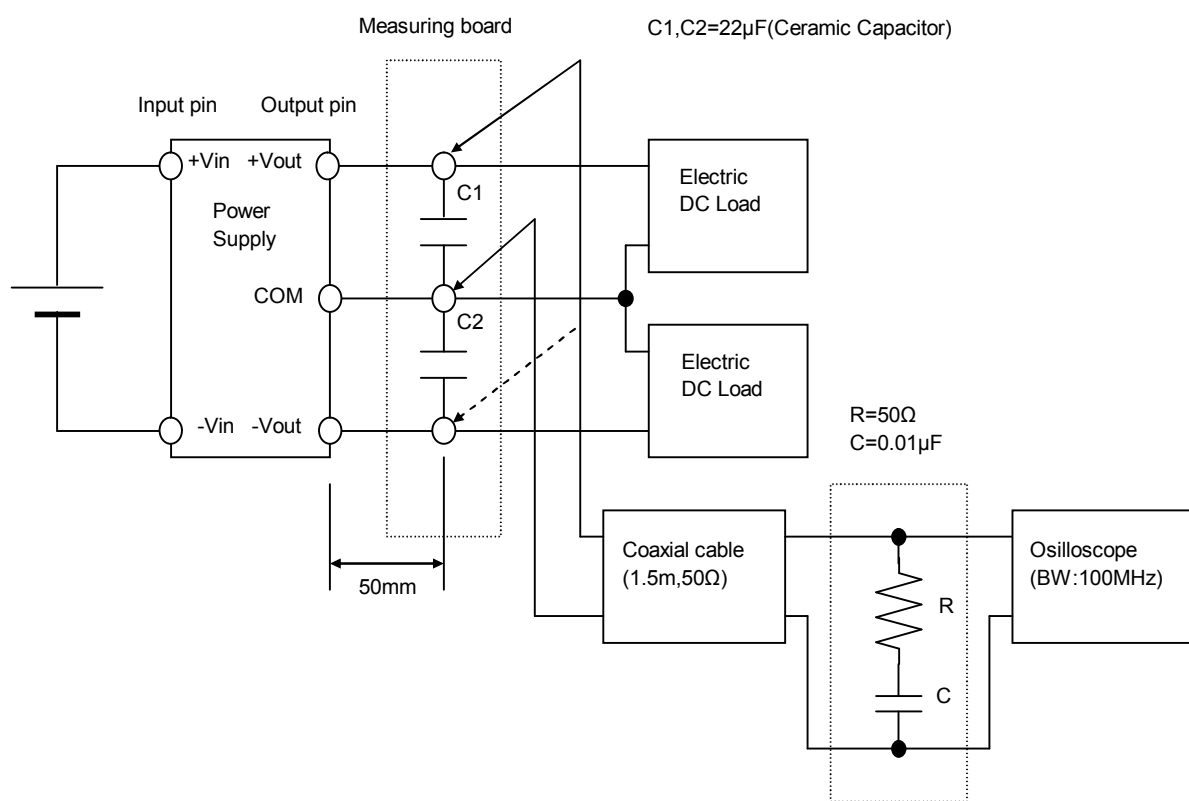


Figure B (Ripple and Ripple noise Characteristic)