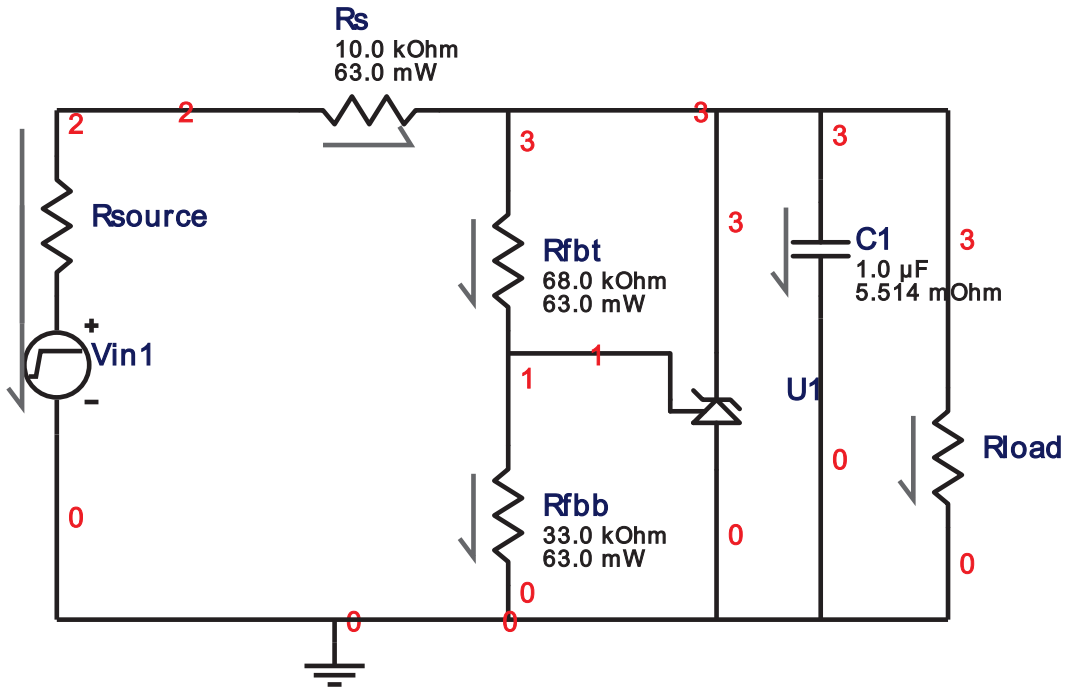


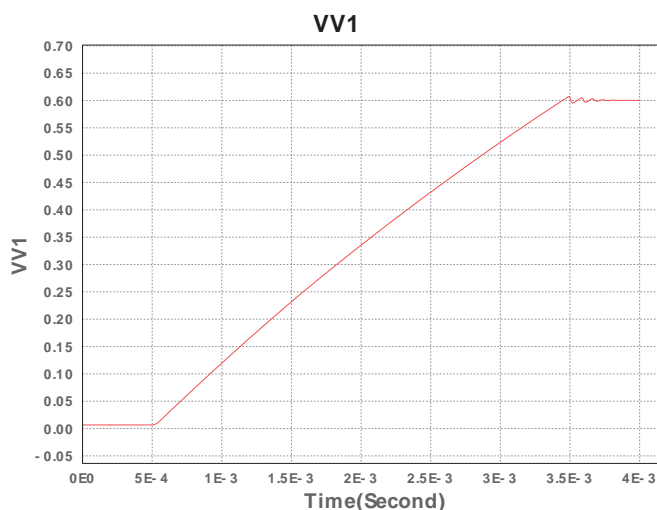
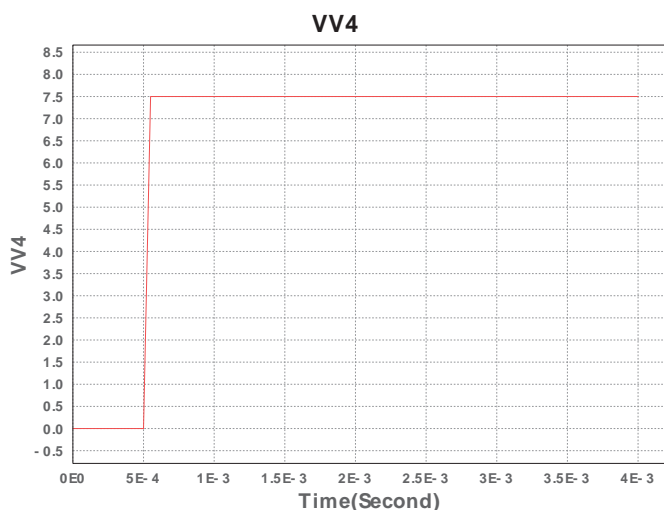
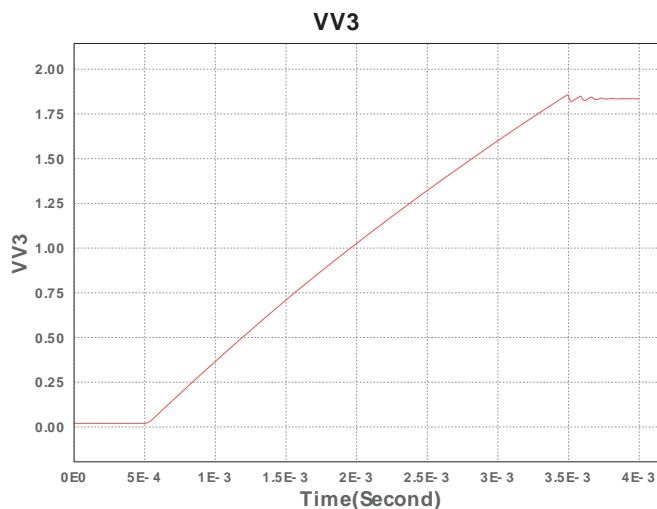
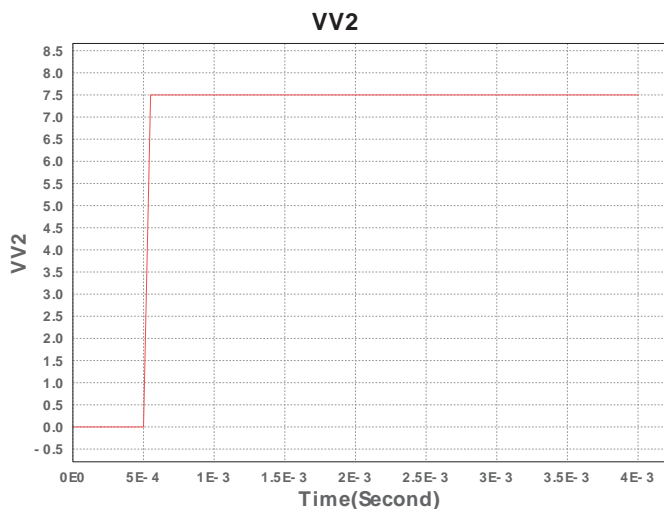
**WEBENCH® Electrical Simulation Report**

**Electrical BOM**

#	Name	Manufacturer	Part Number	Properties	Qty	Price	Footprint
1.	C1	MuRata	GRM21BR71E105KA99L Series= X7R	Cap= 1.0 $\mu$ F ESR= 5.514 mOhm VDC= 25.0 V IRMS= 1.476 A	1	\$0.02	0805 7 mm <sup>2</sup>
2.	Rfbb	CUSTOM	CUSTOM_RESISTOR_MD Series= CUSTOM	Res= 33.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.10	0805 1 mm <sup>2</sup>
3.	Rfbt	CUSTOM	CUSTOM_RESISTOR_MD Series= CUSTOM	Res= 68.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.10	0805 1 mm <sup>2</sup>
4.	Rs	CUSTOM	CUSTOM_RESISTOR_MD Series= CUSTOM	Res= 10.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.10	0805 1 mm <sup>2</sup>
5.	U1	Texas Instruments	LM4041CEM3X-ADJ/NOPB	Switcher	1	\$0.37	DBZ0003A 14 mm <sup>2</sup>

**Simulation Parameters**

#	Name	Parameter Name	Description	Values
1.	Rsource	R	Source Resistance	10m Ohm
2.	Vin1	V2	Peak Voltage	7.5 V
		V1	Initial Voltage	0 V
		signal_type	Signal Type	PULSE
		Td	Initial Delay Time	500u sec

#	Name	Parameter Name	Description	Values
		Tr	Rise Time	50u sec
3.	Rload	R	Load Resistance	100000 Ohm



### Design Inputs

#	Name	Value	Description
1.	Iout	1.0 mA	Maximum Output Current
2.	VinMax	10.0 V	Maximum input voltage
3.	VinMin	5.0 V	Minimum input voltage
4.	Vout	3.8 V	Output Voltage
5.	base_pn	LM4041-N	Base Product Number
6.	source	DC	Input Source Type
7.	Ta	30.0 degC	Ambient temperature

### Operating Values

#	Name	Value	Category	Description
1.	BOM Count	5	General	Total Design BOM count
2.	FootPrint	23.75 mm <sup>2</sup>	General	Total Foot Print Area of BOM components
3.	Total BOM	\$0.69	General	Total BOM Cost

### Design Assistance

- 1.
2. Modified : Fri Jun 9 16:03:59 GMT+0900 2017
3. Modified : Fri Jun 9 16:04:45 GMT+0900 2017
4. Modified : Fri Jun 9 16:05:37 GMT+0900 2017
5. Modified : Fri Jun 9 16:05:58 GMT+0900 2017

6. Modified : Fri Jun 9 16:07:10 GMT+0900 2017

7. Modified : Fri Jun 9 16:08:12 GMT+0900 2017

8. **LM4041-N** Product Folder : <http://www.ti.com/product/LM4041-N> : contains the data sheet and other resources.

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**You should completely validate and test your design implementation to confirm the system functionality for your application prior to production.**

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