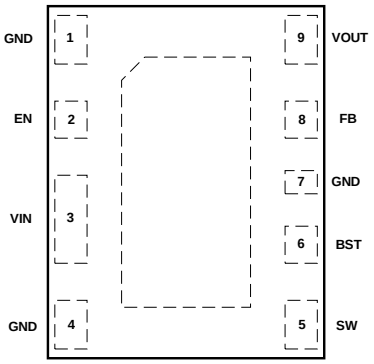
| ORDERABLE DEVICE | PACKAGING TYPE | STANDARD PACK QTY | PINS | PACKAGE DESCRIPTION | MSL |
|---|---|---|---|---|---|
| | | | | | |

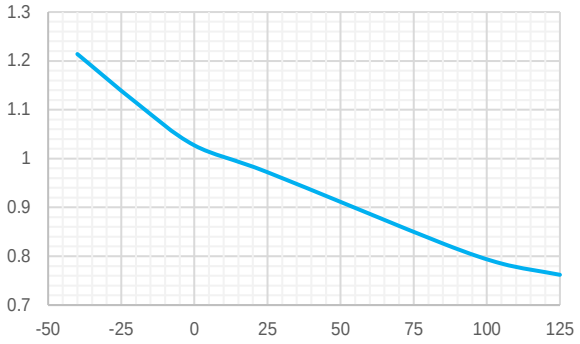
| DESCRIPTION | MIN | MAX | UNIT |
|---|---|---|---|
| | | | |
| | | | |

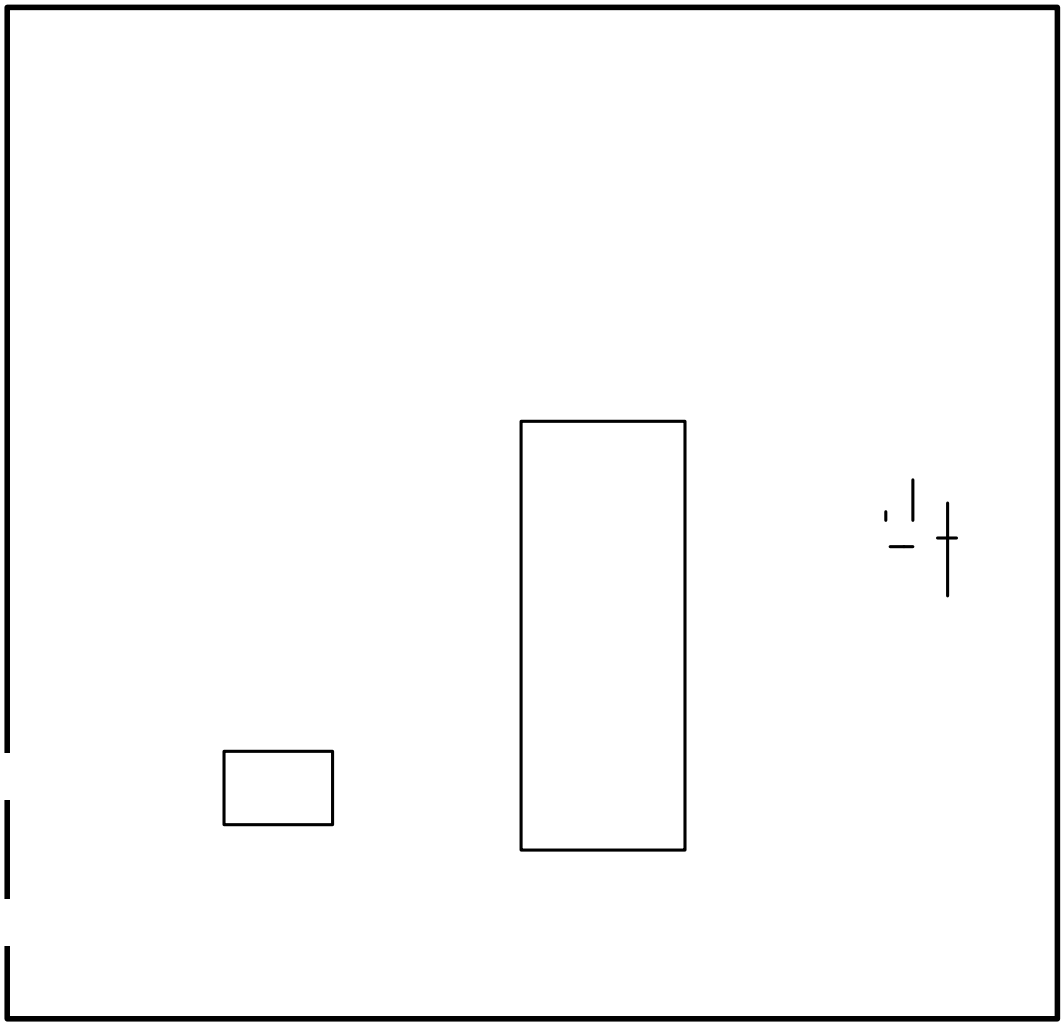


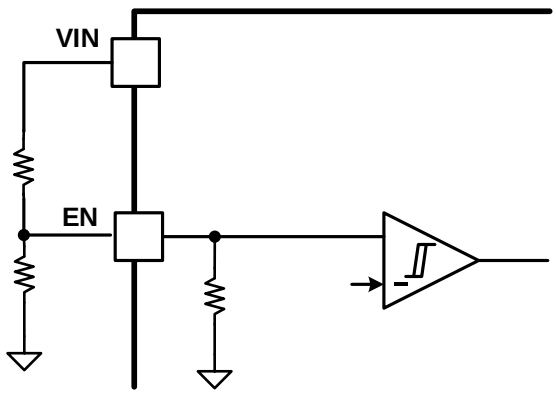

| NAME | NO. | PIN FUNCTION |
|---|---|---|
| | 1, 4, 7 | Ground |
| | | Enable logic input. This pin supports high voltage input up to VIN supply to be connected VIN directly to enable the device automatically. The device has precision enable thresholds 1.21V rising / 1.1V falling for programmable UVLO threshold and hysteresis. |

| PARAMETER | DEFINITION | MIN | MAX | UNIT |
|---|---|---|---|---|

| SYMBOL | PARAMETER | TEST CONDITION | MIN | TYP | MAX | UNIT |
|---|---|---|---|---|---|---|
| **Power Supply and Output** | | | | | | |
| | | | | | | |


1.3
1.2
1.1
1
0.9
0.8
0.7
-50
-25
0
25
50
75
100
125






$$= \frac{1.21 \quad 2( \quad 1 + 480 \quad )}{1 \quad 480} + 1.21$$

$$= \frac{1.1 \quad 2( \quad 1 + 480 \quad )}{1 \quad 480} + 1.1$$

**Output Voltage**

**Pearent Lim**

**Botlta e Regulatr**

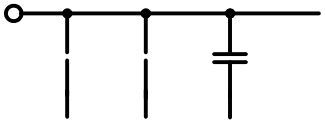
**Over voltage Protection**

**Thermal Shutdown**

°

°

**Typical Application**



**Design Parameters**

| Design Parameters | Example Value |
|---|---|
| | |
| | |
| | |
| | |
| | |

**Output Voltage**

$_3 = (\text{——} - 1)\ _4$

| $V_{OUT}$ | $R_3$ | $R_4$ |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

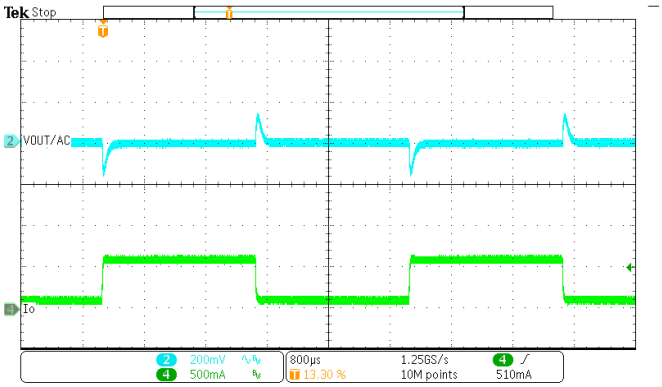
- 

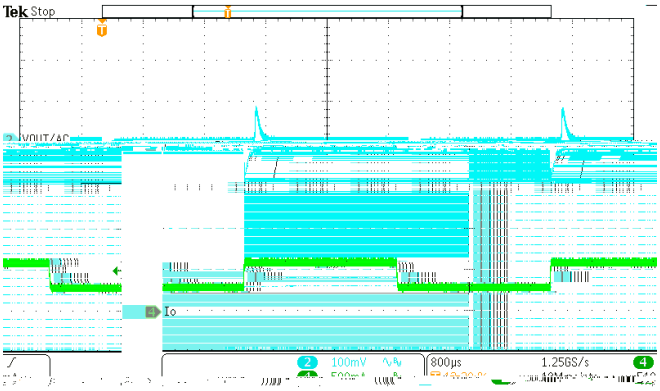
**Under Voltage Lock-Out**

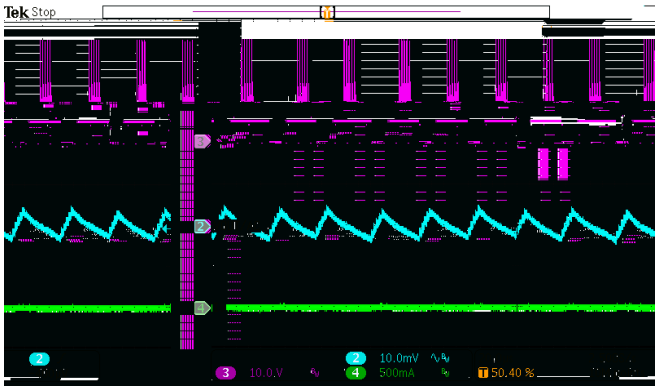
$$\Delta V_{IN} = \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad (1 - \frac{\quad}{\quad})$$

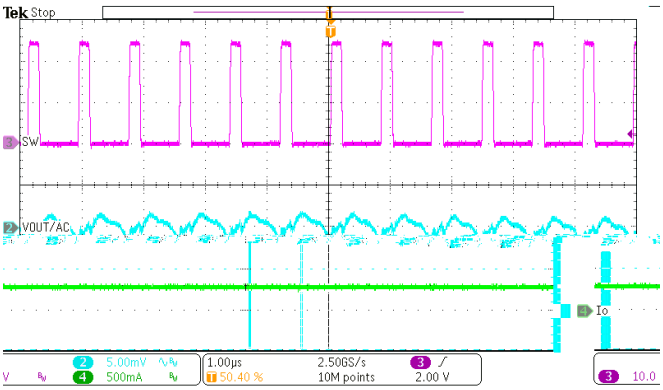
**Bootstrap Capacitor Selection**

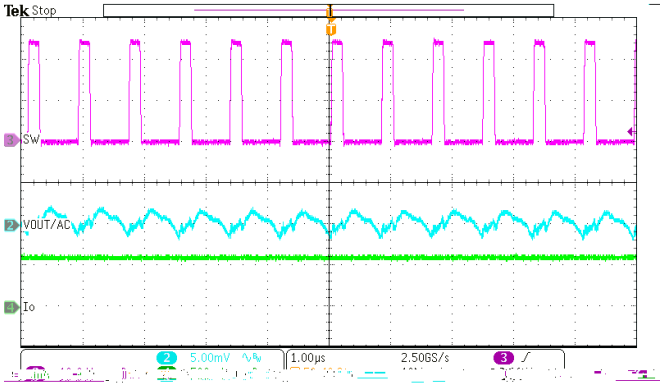
## Application Waveforms

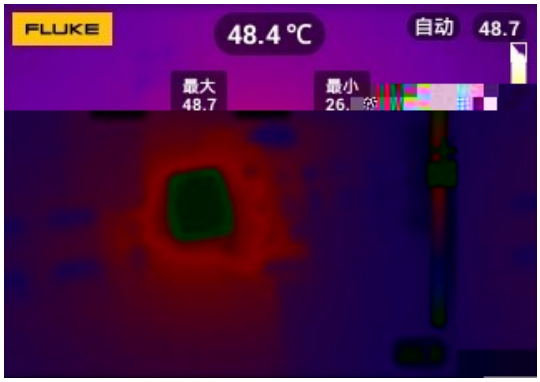


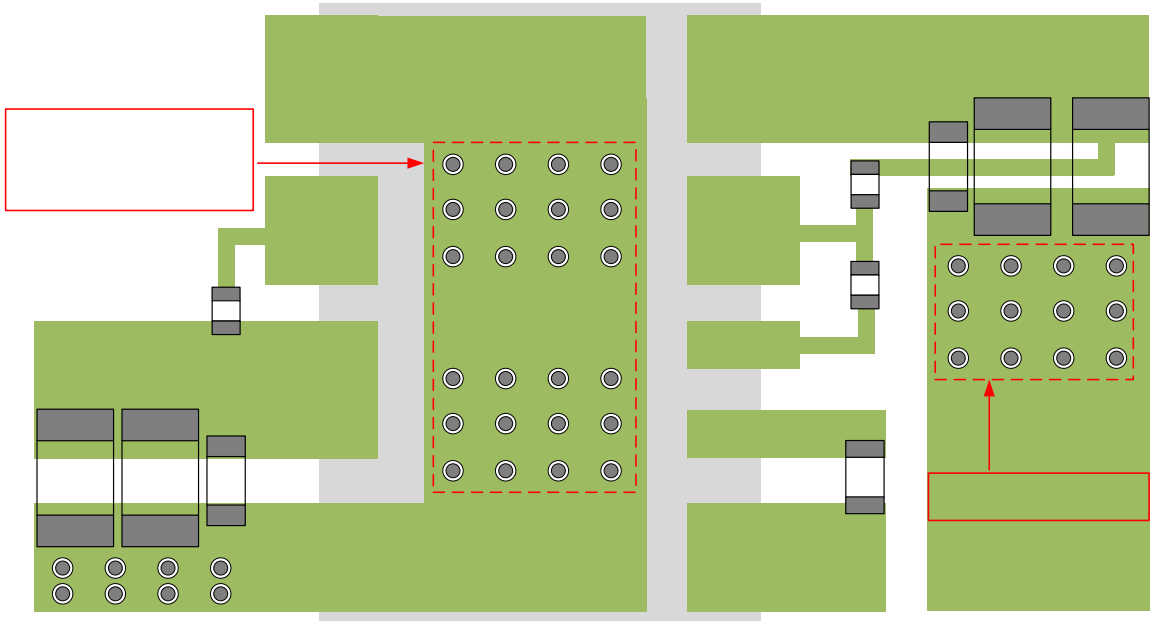



**Layout Guideline**



| SYMBOL | MILLIMETER | | |
|---|---|---|---|
| | MIN | NOM | MAX |