

[illegible]

The screenshot displays three waveforms: BST PIN (blue), Inductor Current (green), and SW PIN (red). The SW PIN waveform shows a negative spike during the 140ns interval, labeled -0.7V. The Inductor Current waveform shows a peak during the same interval. The BST PIN waveform shows a step change. The bottom status bar shows various measurement parameters and a table of values.

Measure	Value	Unit
P1 abs/Cr	17.6 mV	
P2 max/Cr	13.20 V	
P3 min/Cr	-773 mV	
P4 max/Cr	17.29 V	
P5 max/Cr	3.46 V	
P6 max/Cr	994 mA	
P7...		
P8...		

Table of values:

100 mV/div	5.00 V/div	5.00 V/div	1.00 A/div
0.00 mV/div	15.000 V	5.000 mV	1.000 A
1.00 mV/div	-568.1 mV	3.6213 V	6.0 mA
0.00 mV/div	250.1 mV	4.000 V	1.000 A
0.00 mV/div	250.1 mV	4.000 V	1.000 A
0.00 mV/div	410.5 mV	107.6 mA	1.000 A

Table of values:

12 bits	1.00 pA/div	Stop	0.00
12 bits	100.1 pA	Stop	0.00
X1= 0.0000 pA	0.00	Stop	0.00
X2= 1.0001 pA	0.00	Stop	0.00

The oscilloscope displays three signals over time:

- BST PIN**: A blue square-wave signal switching between approximately +300mV and -300mV.
- Inductor Current**: A green sawtooth waveform oscillating around 0A, ranging from roughly -50mA to +50mA.
- SW PIN**: A red square-wave signal switching between approximately +100mV and -300mV.

An orange arrow points to a specific event on the SW PIN trace where it drops sharply to -0.6V for a duration of 14ns. This event occurs while the Inductor Current is near zero and the BST PIN is at its positive level.

-0.6V during 14ns

3A-Load