

TPS568215 Data Sheet description

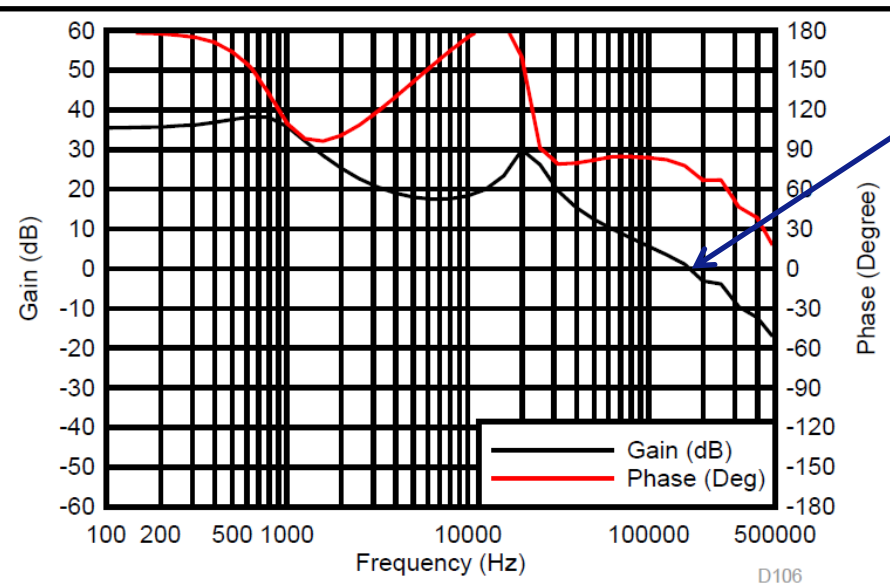
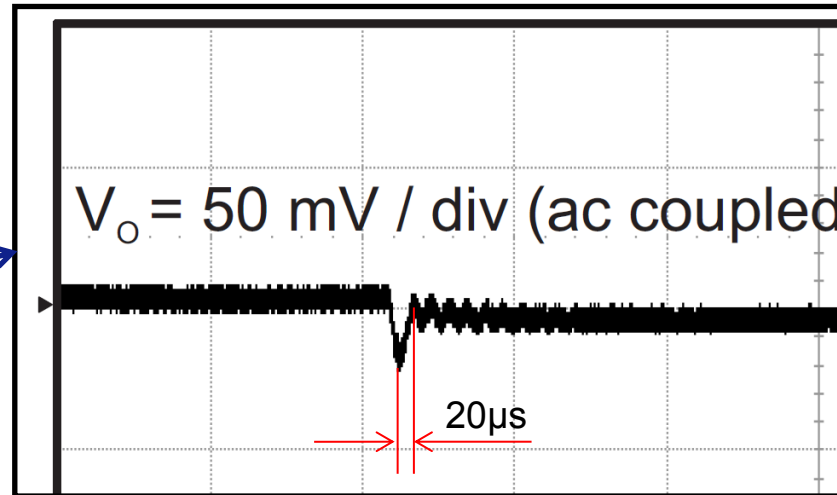


Figure 29. Loop Response, $I_{OUT} = 6\text{ A}$

Loop bandwidth : 170kHz

Time : $1 / \text{Loop bandwidth}$
 $= 5.86\mu\text{s}$

Expansion waveform



Transient Response Time : $20\mu\text{s}$

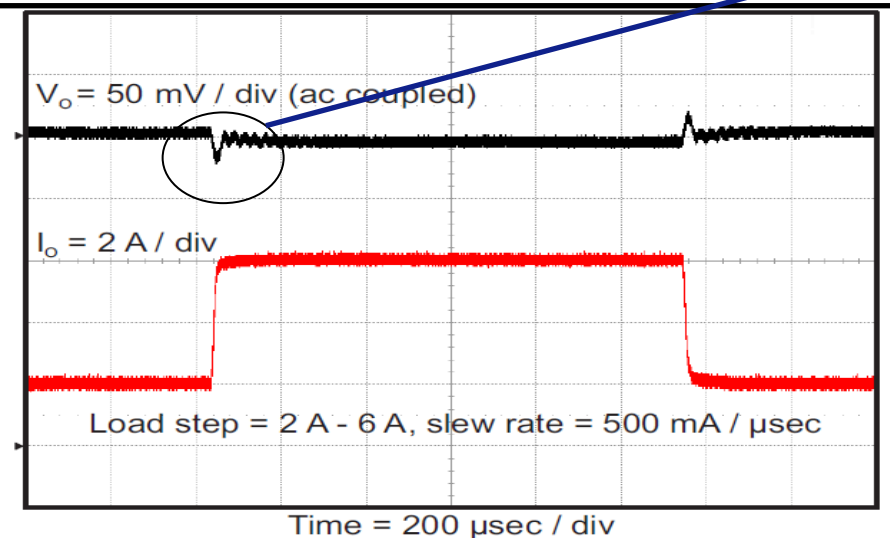


Figure 40. Transient Response

If Transient Response time is $20\mu\text{s}$,
 Loop Response is 50kHz.

Why different?

What internal control have?