when PWM When the output is automatically switched off and the need to restart output again, the software only needs to be reset COM3x Position to switch OC3x Signal is output to the corresponding pin. It should be noted, occurs automatically shut down after the timer did not stop working, OC3x State of the signal has also been updated. After the software or compare match timer overflows, then set COM3x Bit output OC3x Signal, so you can get a clear PWM Output state.

Dead-time control

Set up DTEN3 Bit "1" When inserting the dead time function is enabled, OC3A with OC3B The output waveform will B Deadtime comparator output channel waveform based on the generated set of insertion, the length of time of DTR3 Register count clock number corresponding to the time value. As shown below, OC3A with OC3B Deadtime insertion are based channel B Comparing the output waveform as a reference. when COM3A with COM3B The same "2" or "3" Time, OC3A The polarity of the waveform OC3B The waveform of the same polarity, when COM3A with COM3B Respectively "2" or "3" Time, OC3A The waveform OC3B Opposite polarity waveform.
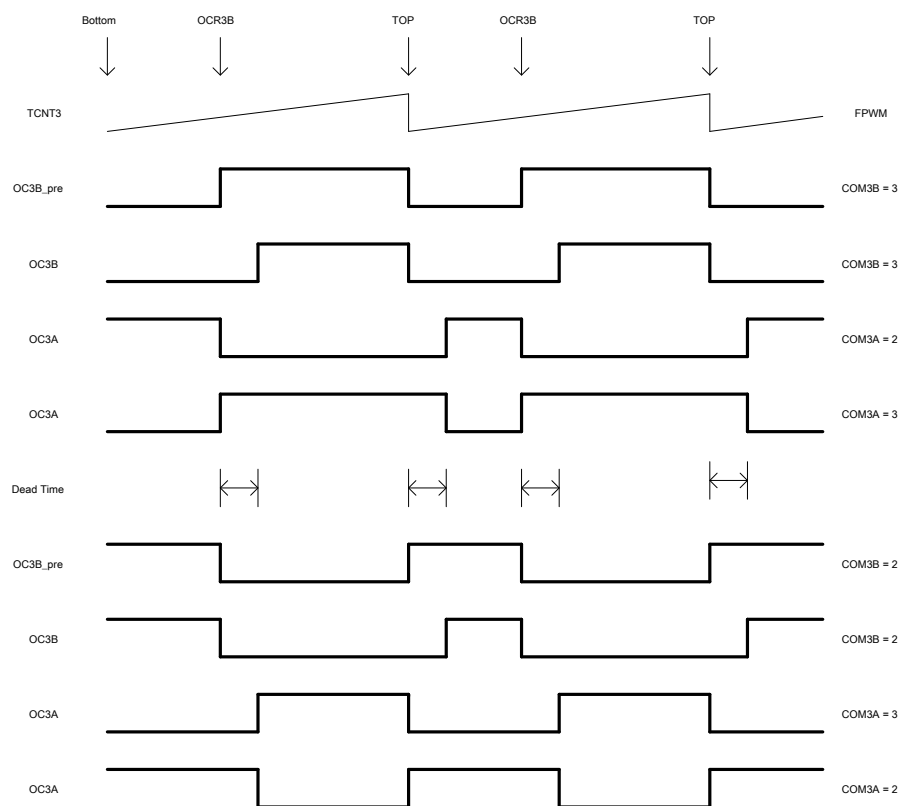

Figure 7   FPWM Mode TC3 Dead-time control