**Features**

* **10-bit** DAC
* Resistor string architecture
* Selectable speed vs power
* ***AOUT*** gives analog output given by VALUE/1024 x V­REF
* we can select between
  + 1us setting time and maximum current of 700uA
  + 2.5 us setting time and maximum current of 350uA
* Pin P0.25 should be set as DAC
* capacitance load should not be more than 100pF

**Register Description**

**DAC Register (DACR - 0xE006 C000)**

|  |  |
| --- | --- |
| **15:6 – Values** | **16 – BIAS** |
| The output at AOUT pin | 1. - 1us setting time and maximum current of 700uA 2. - 2.5us setting time and maximum current of 350uA |

**Steps**

1. Set setting time by setting BIAS bit.
2. Next, set the value in VALUE bits.