

B

$$\boxed{3} \quad \Delta U = \frac{5V - 0V}{2^{10}} = 0,00488$$

0,5V	0,566
1,0V	1,072
1,5V	1,578
2,0V	2,086
2,5V	2,609
3,0V	3,121
3,5V	3,634
4,0V	4,139
4,5V	4,635
5,0V	5,127
AD-Conv.	OSzi

$\boxed{5}$

Samplingrate: 2000 \rightarrow 7009
(8000 \rightarrow 8021)

Nyquistfrequ: 7009 \rightarrow 3504,5
(8000 \rightarrow 4010,5)

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- 1. 1752
 - 2. 2000
 - 3. 3000
 - 4. 4000
 - 5. 5000
 - 6. 6000
 - 7. 7009

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