

R8C/LAxA Group A/D characteristics

Page

Prepared on Apr 25, 2011

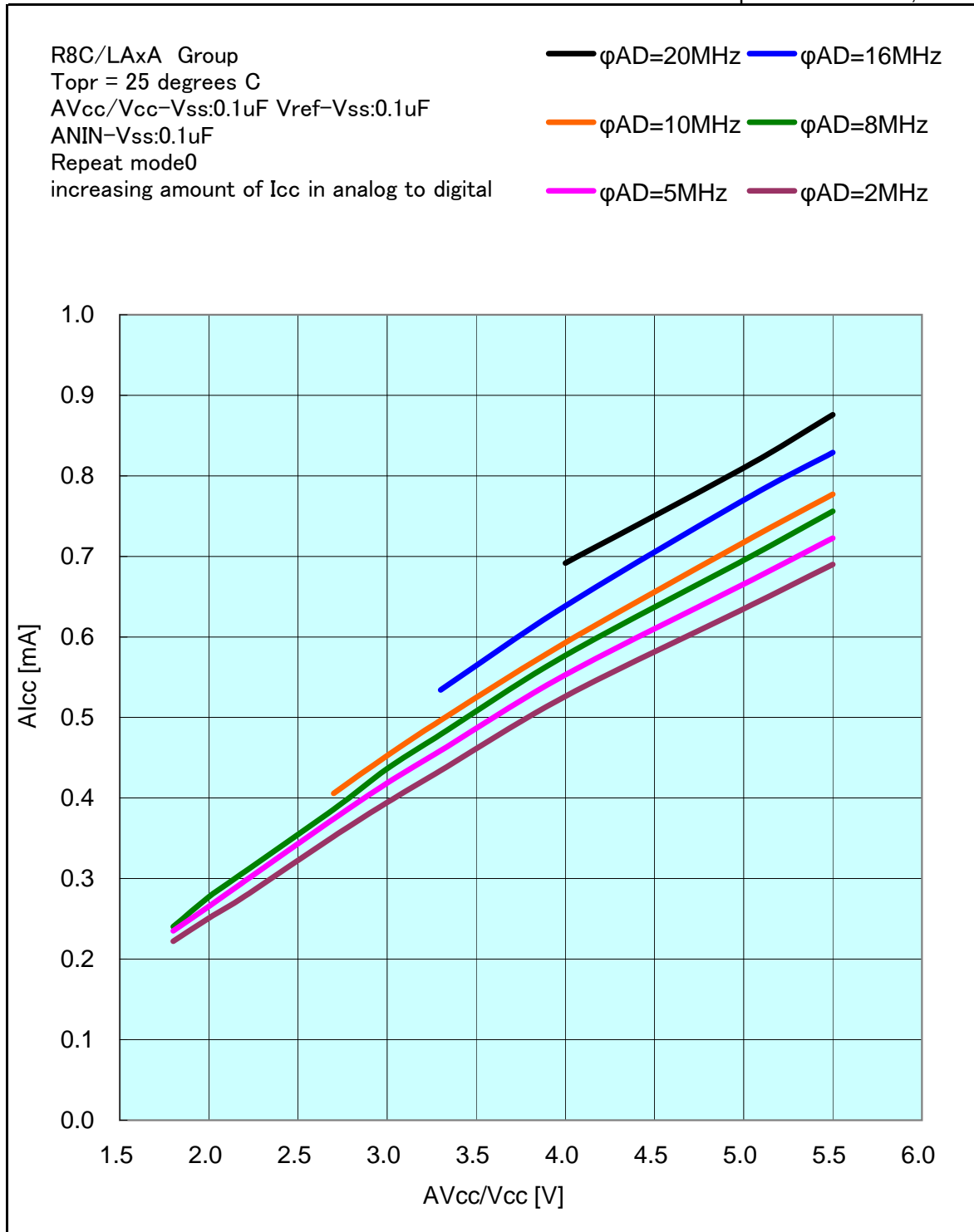
- 1 [Alcc VS Avcc/Vcc \(during A/D conversion\) Topr=25 degrees C](#)
- 2 [Alcc VS Topr \(during A/D conversion\) Avcc/Vcc=Vref=5.0V](#)
- 3 [Alcc VS Topr \(during A/D conversion\) Avcc/Vcc=Vref=3.0V](#)
- 4 [Alcc VS Topr \(during A/D conversion\) Avcc/Vcc=Vref=1.8V](#)

Alcc VS AVcc/Vcc

(during A/D conversion)

Topr = 25 degrees C

Prepared on Nov. 30, 2010



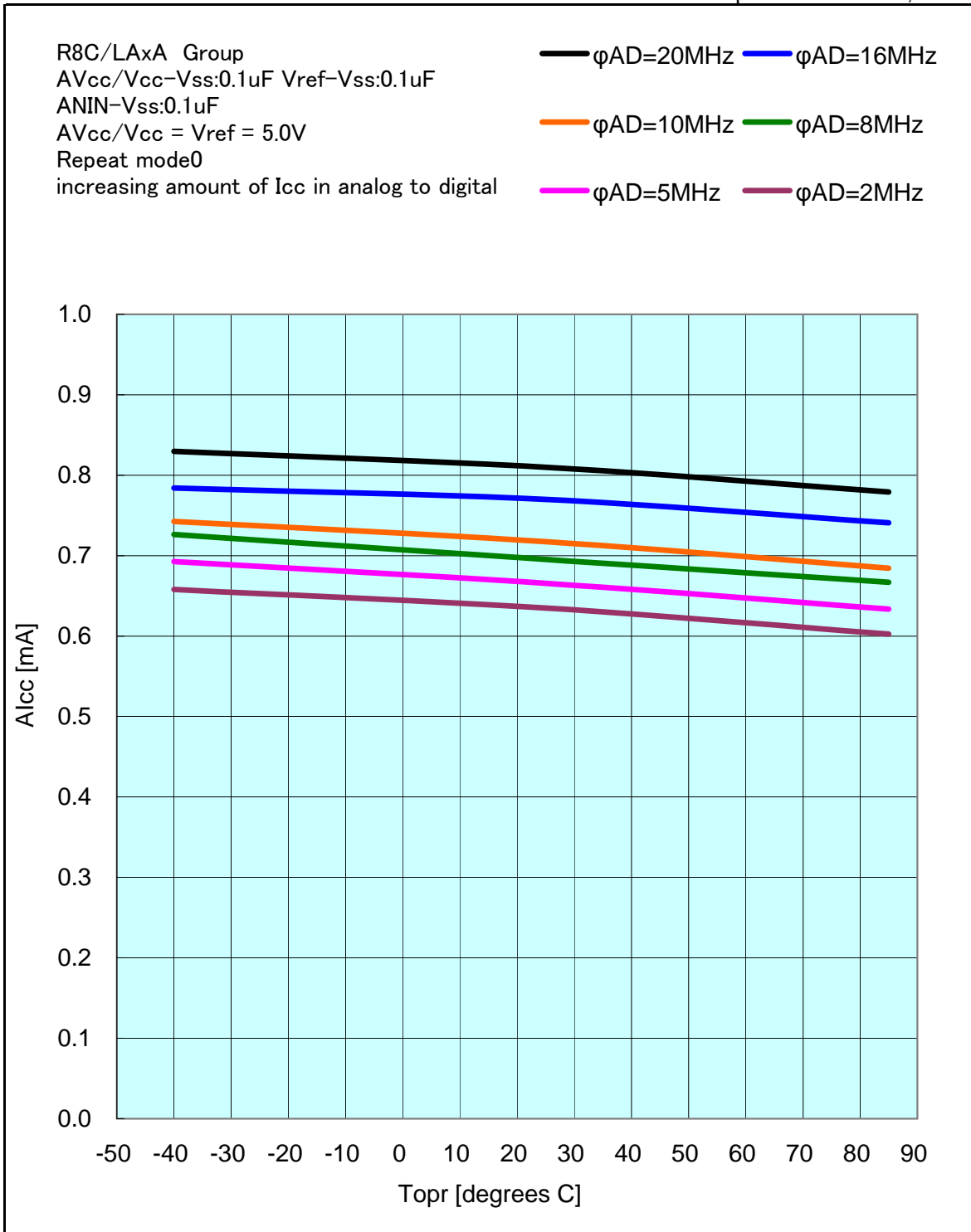
The mentioned value is only for your reference. The value is for the arbitrary samples and does not guarantee the product's characteristics

Alcc vs Topr

(during A/D conversion)

AVcc/Vcc = Vref = 5.0V

Prepared on Nov. 30, 2010



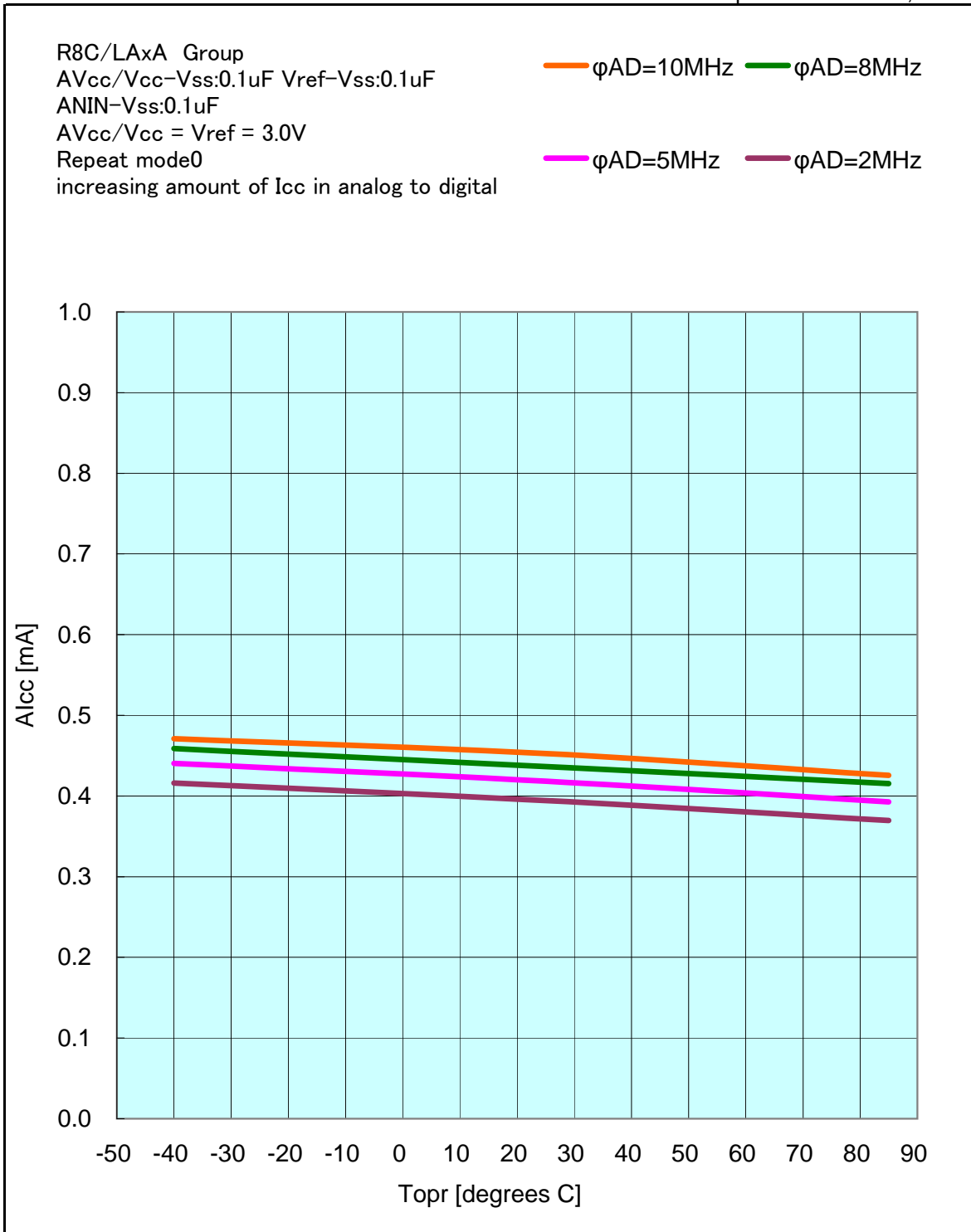
The mentioned value is only for your reference. The value is for the arbitrary samples and does not guarantee the product's characteristics

Alcc vs Topr

(during A/D conversion)

AVcc/Vcc = Vref = 3.0V

Prepared on Nov. 30, 2010



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Alcc vs Topr

(during A/D conversion)

$AV_{cc}/V_{cc} = V_{ref} = 1.8V$

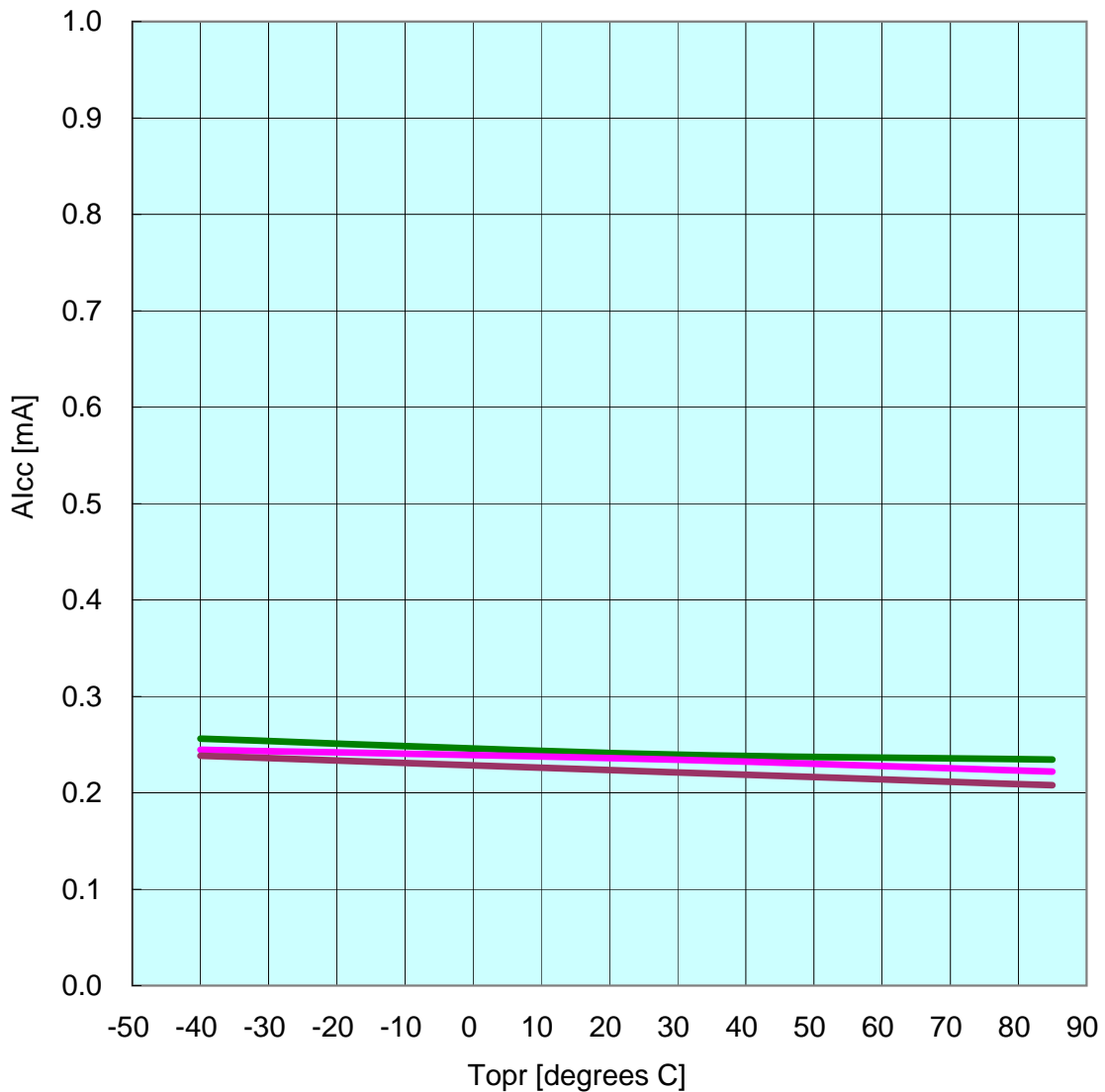
Prepared on Nov. 30, 2010

R8C/LAxA Group
 $AV_{cc}/V_{cc}-V_{ss}:0.1\mu F$ $V_{ref}-V_{ss}:0.1\mu F$
 $ANIN-V_{ss}:0.1\mu F$
 $AV_{cc}/V_{cc} = V_{ref} = 1.8V$
Repeat mode0
increasing amount of I_{cc} in analog to digital

— $\phi_{AD}=8MHz$

— $\phi_{AD}=5MHz$

— $\phi_{AD}=2MHz$



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