

R8C/38T-A Group

Output port characteristics

Prepared on Feb. 24, 2012

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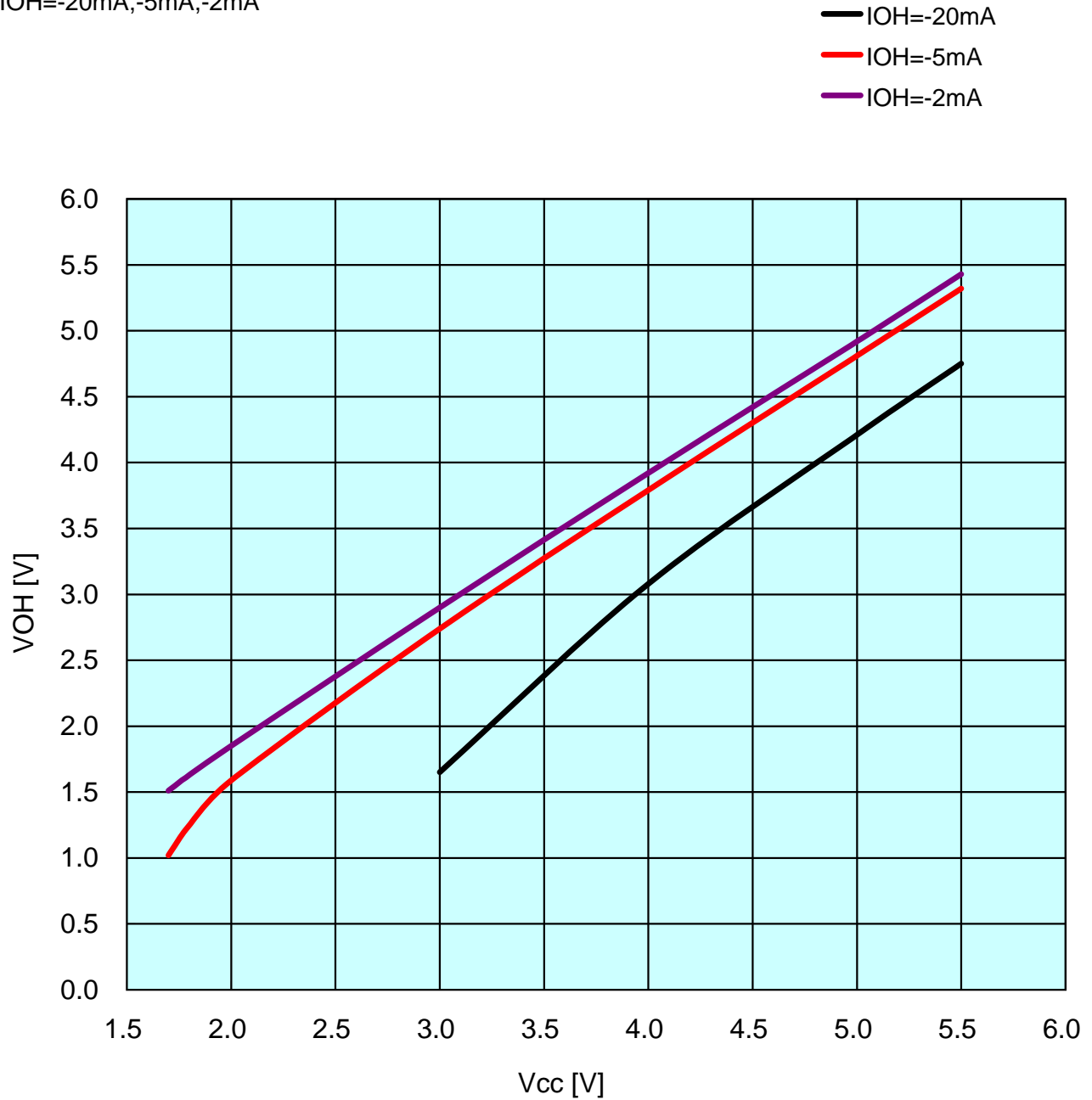
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VOH vs Vcc

(Port Drive Capacity = High)

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R8C/38T-A Group
Topr= 25 degrees C
IOH=-20mA,-5mA,-2mA



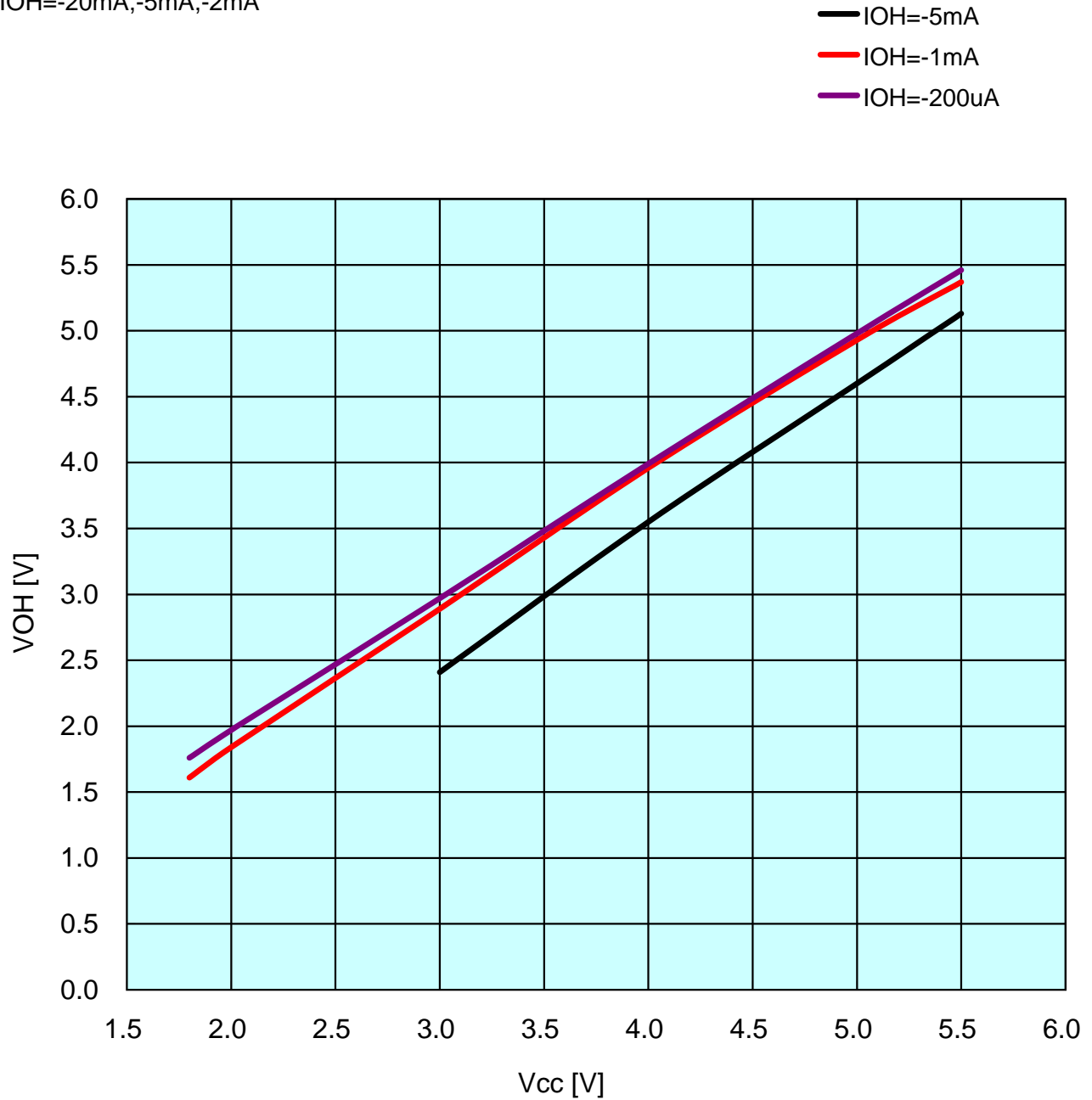
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VOH vs Vcc

(Port Drive Capacity = Low)

Prepared on Feb. 24, 2012

R8C/38T-A Group
Topr= 25 degrees C
IOH=-20mA,-5mA,-2mA



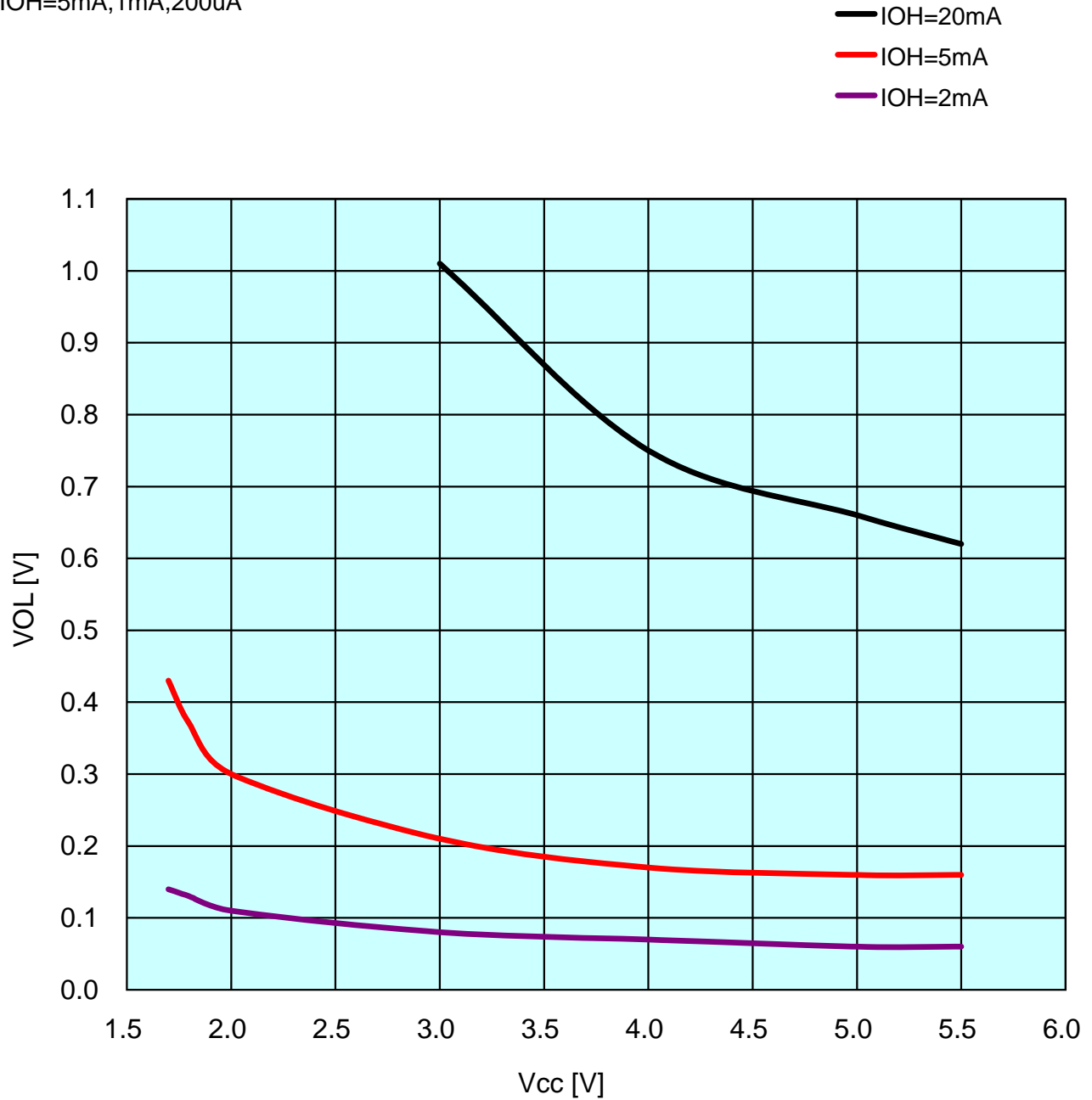
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VOL vs Vcc

(Port Drive Capacity = High)

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R8C/38T-A Group
Topr= 25 degrees C
IOH=5mA,1mA,200uA



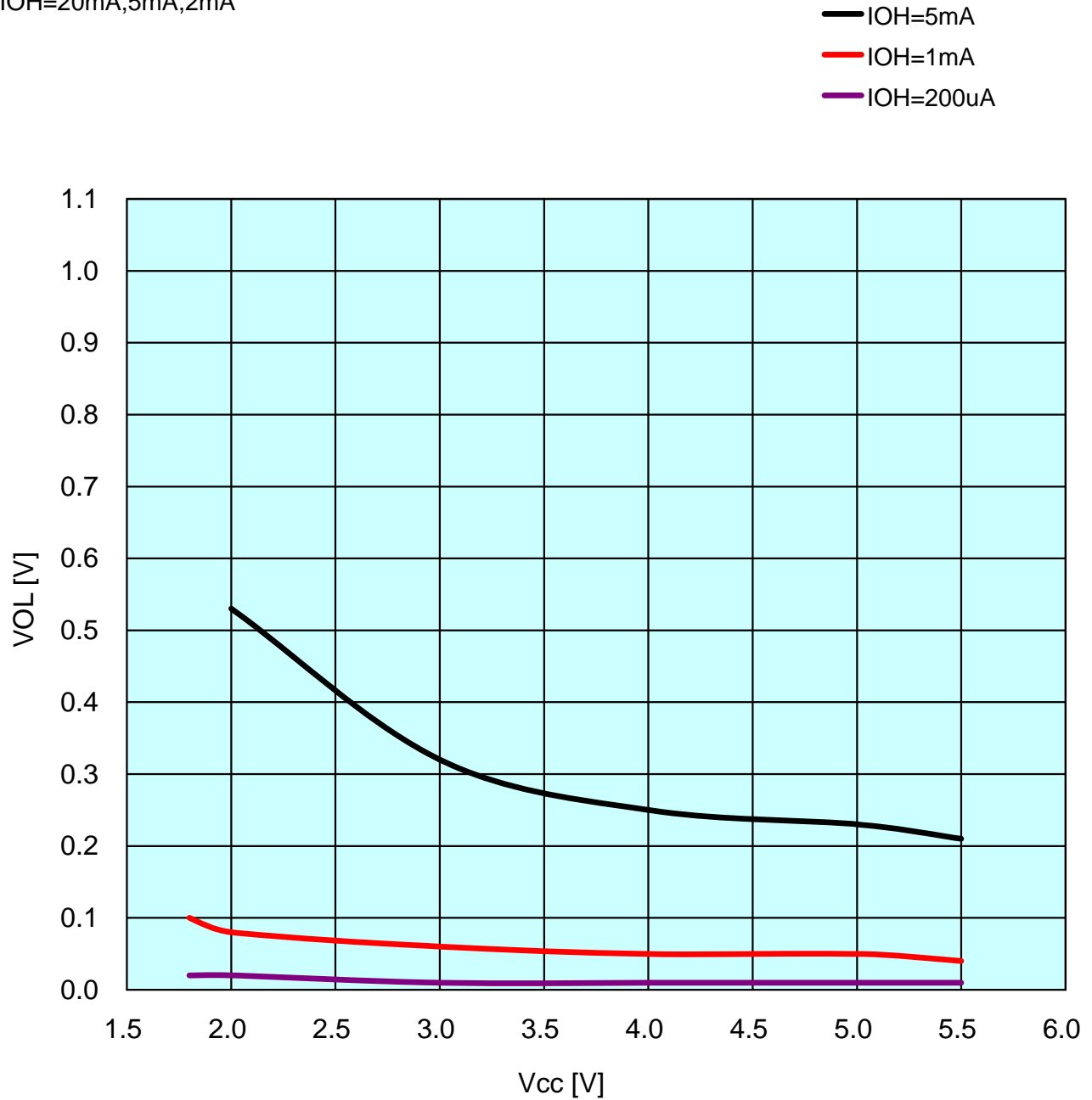
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VOL vs Vcc

(Port Drive Capacity =Low)

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R8C/38T-A Group
Topr= 25 degrees C
IOH=20mA,5mA,2mA



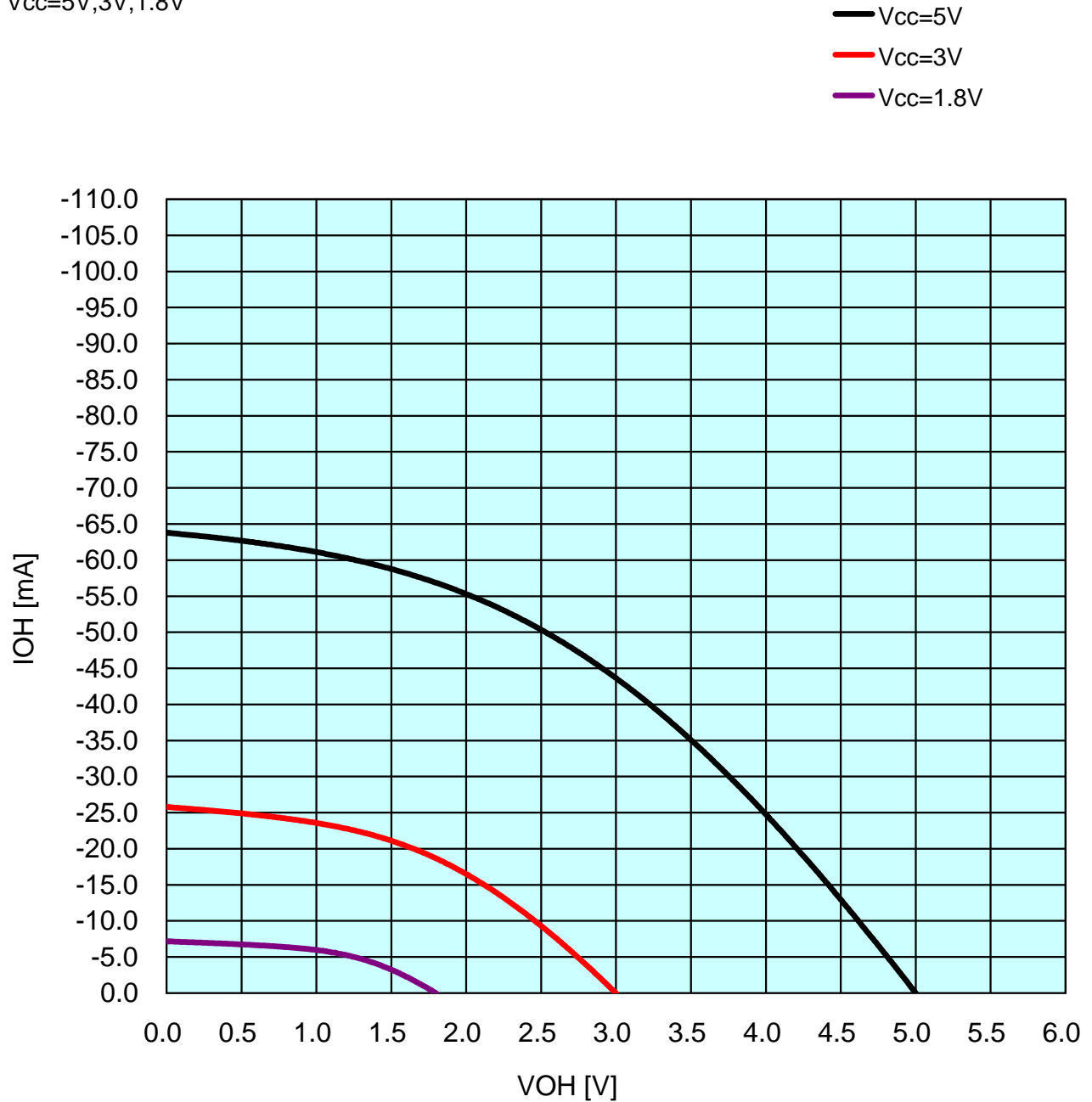
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IOH vs VOH

(Port Drive Capacity = High)

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R8C/38T-A Group
Topr= 25 degrees C
Vcc=5V,3V,1.8V



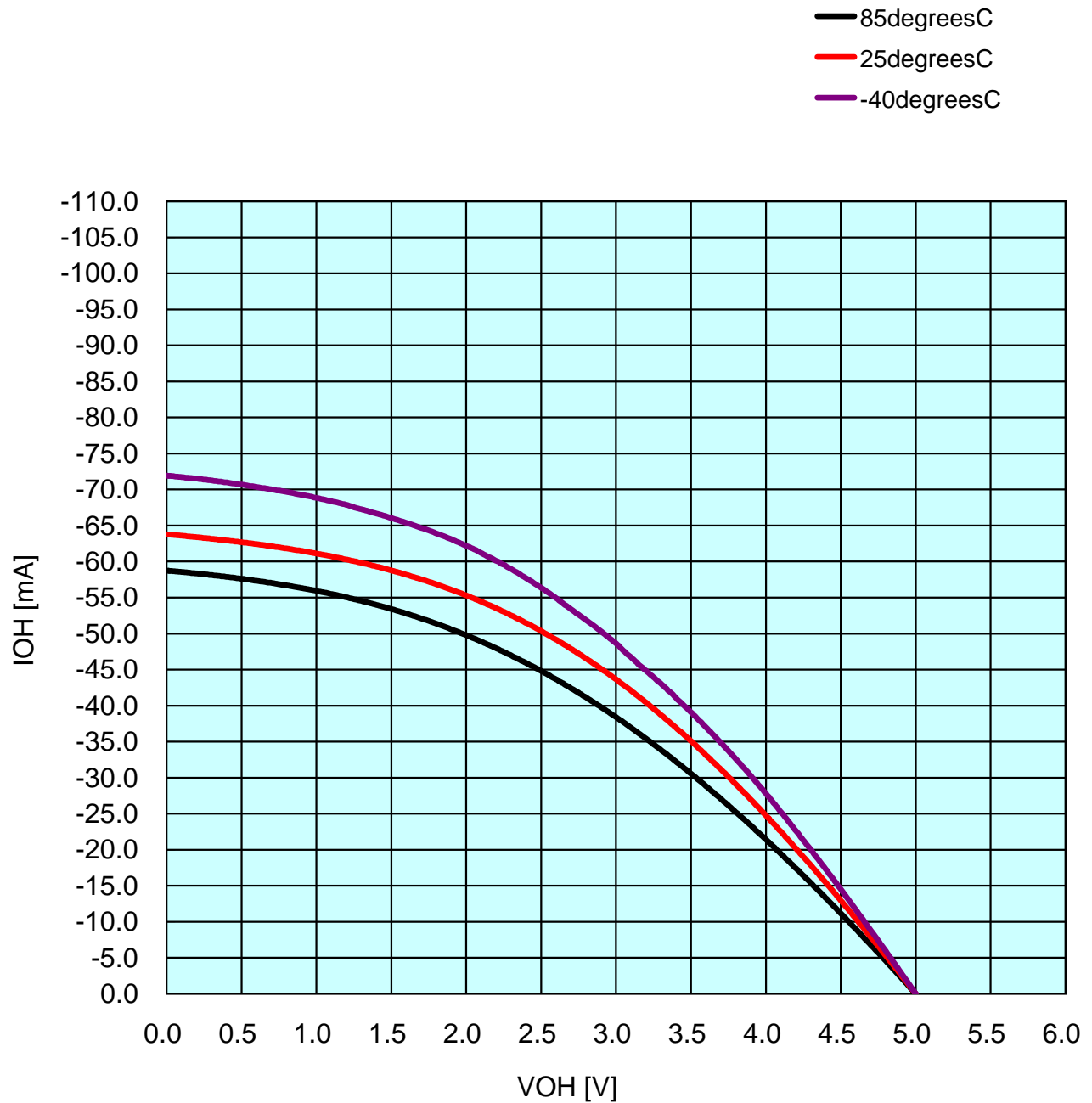
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IOH vs VOH

(Port Drive Capacity = High)

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R8C/38T-A Group
Vcc=5V



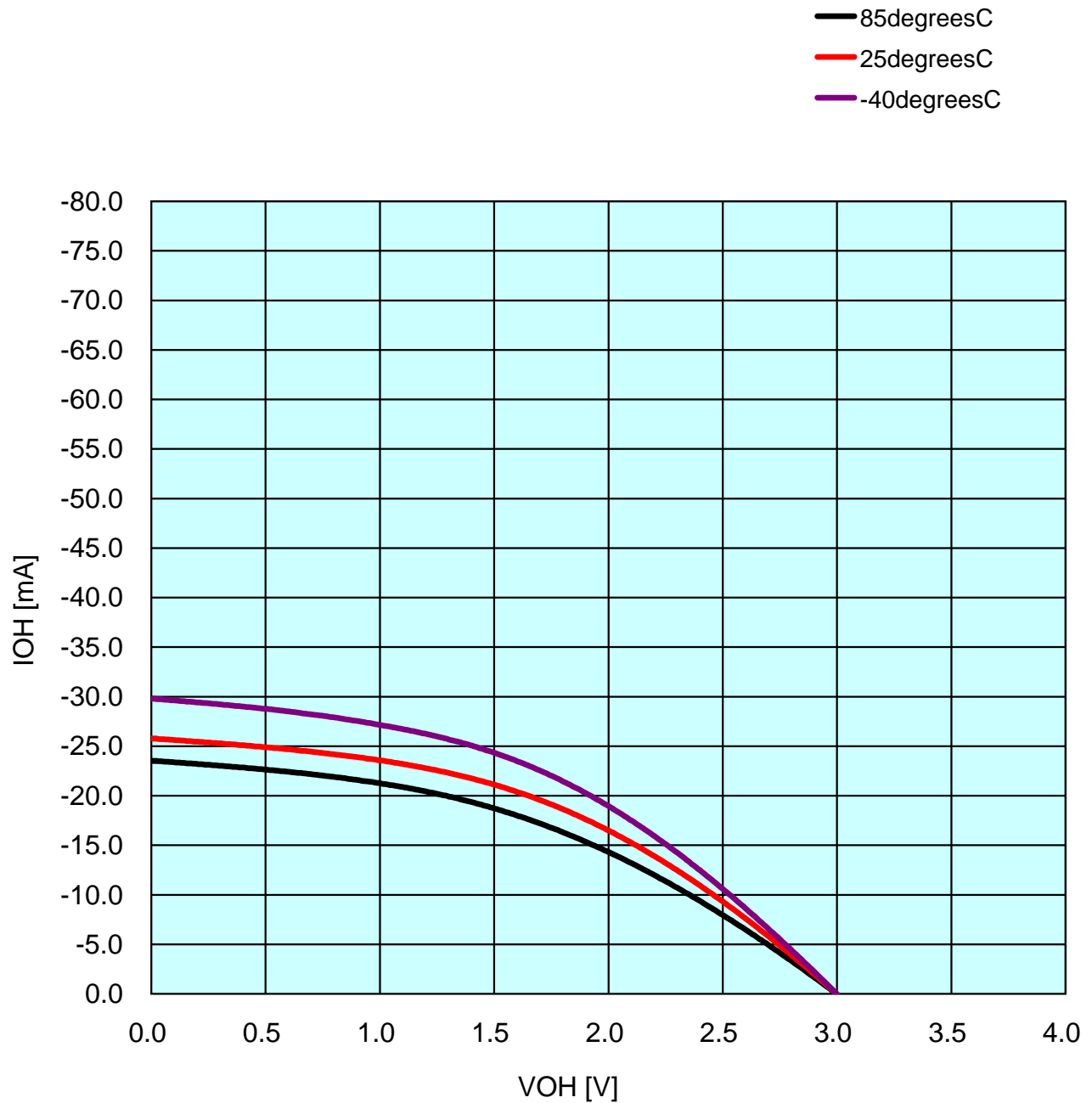
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IOH vs VOH

(Port Drive Capacity = High)

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R8C/38T-A Group
Vcc=3V



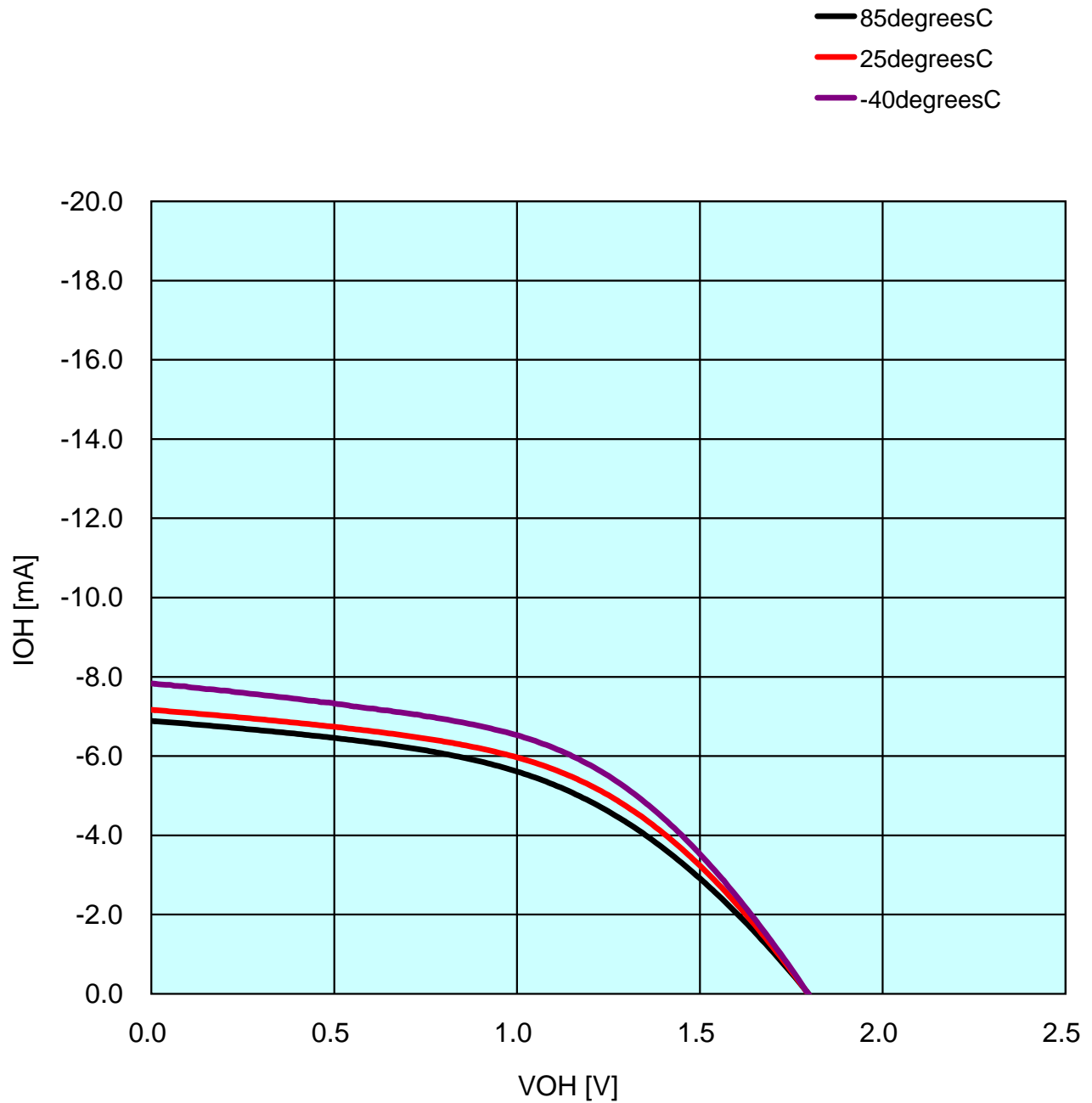
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IOH vs VOH

(Port Drive Capacity = High)

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R8C/38T-A Group
Vcc=1.8V



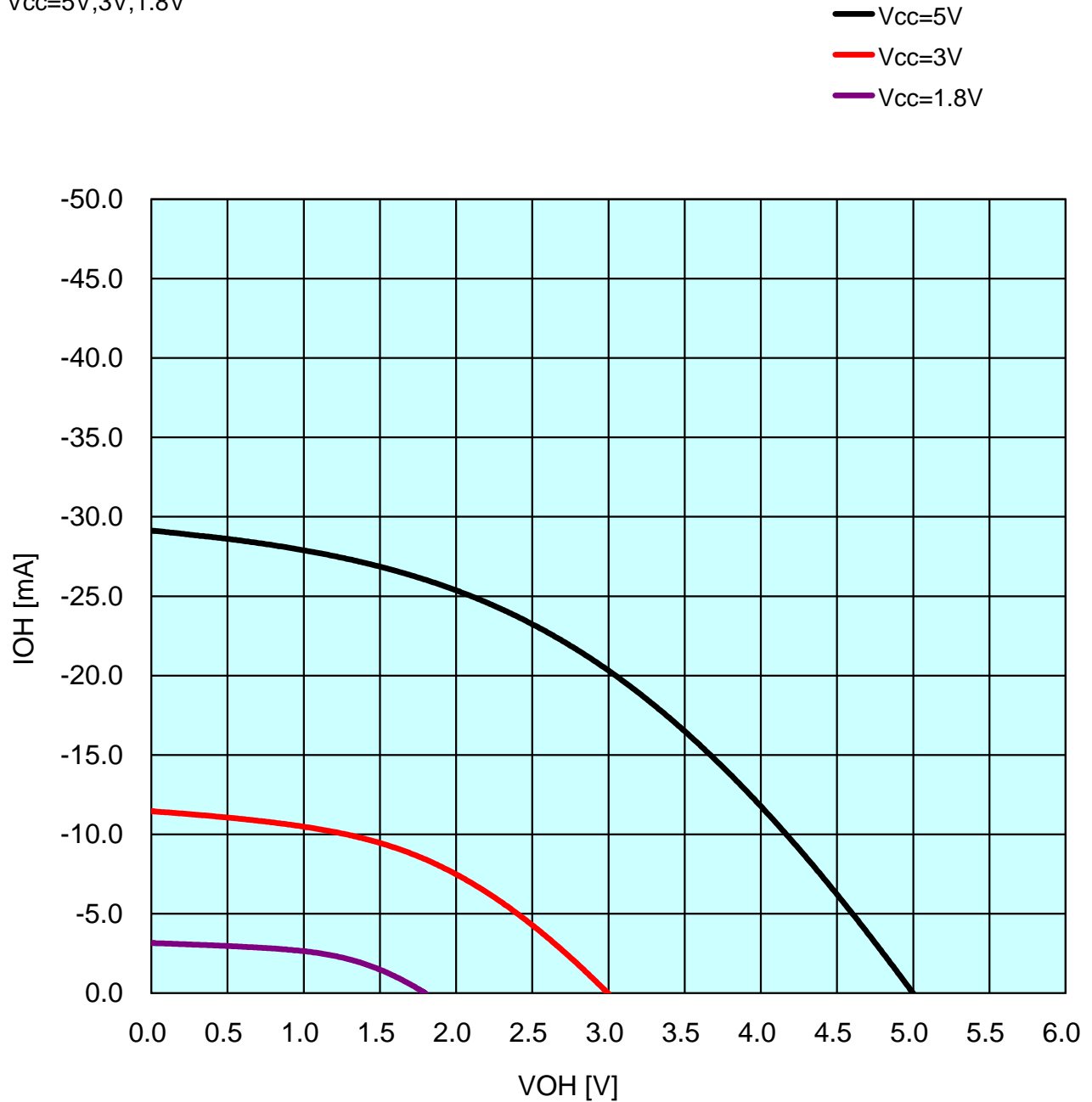
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IOH vs VOH

(Port Drive Capacity = Low)

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R8C/38T-A Group
Topr= 25 degrees C
Vcc=5V,3V,1.8V



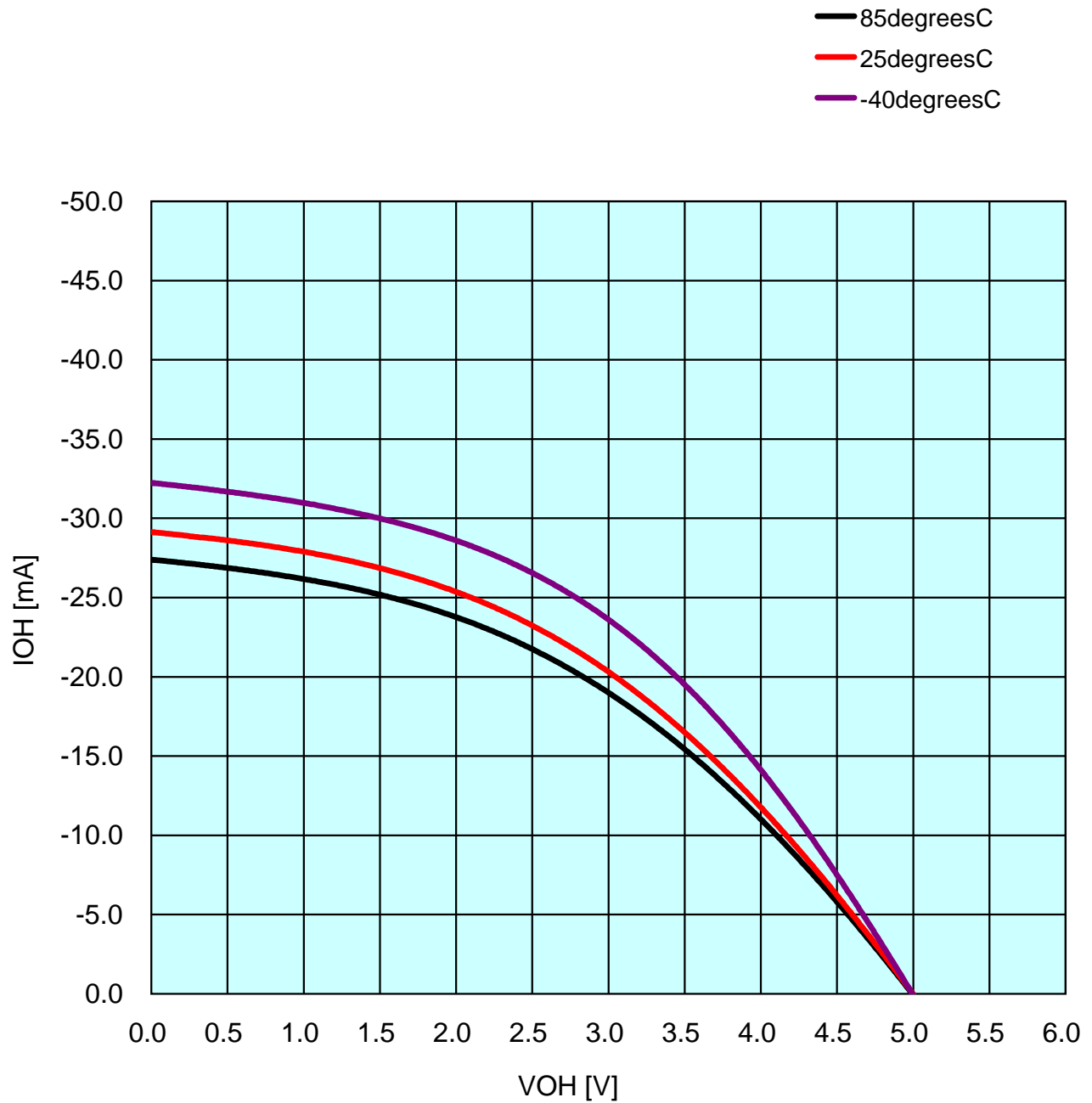
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IOH vs VOH

(Port Drive Capacity = Low)

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R8C/38T-A Group
Vcc=5V



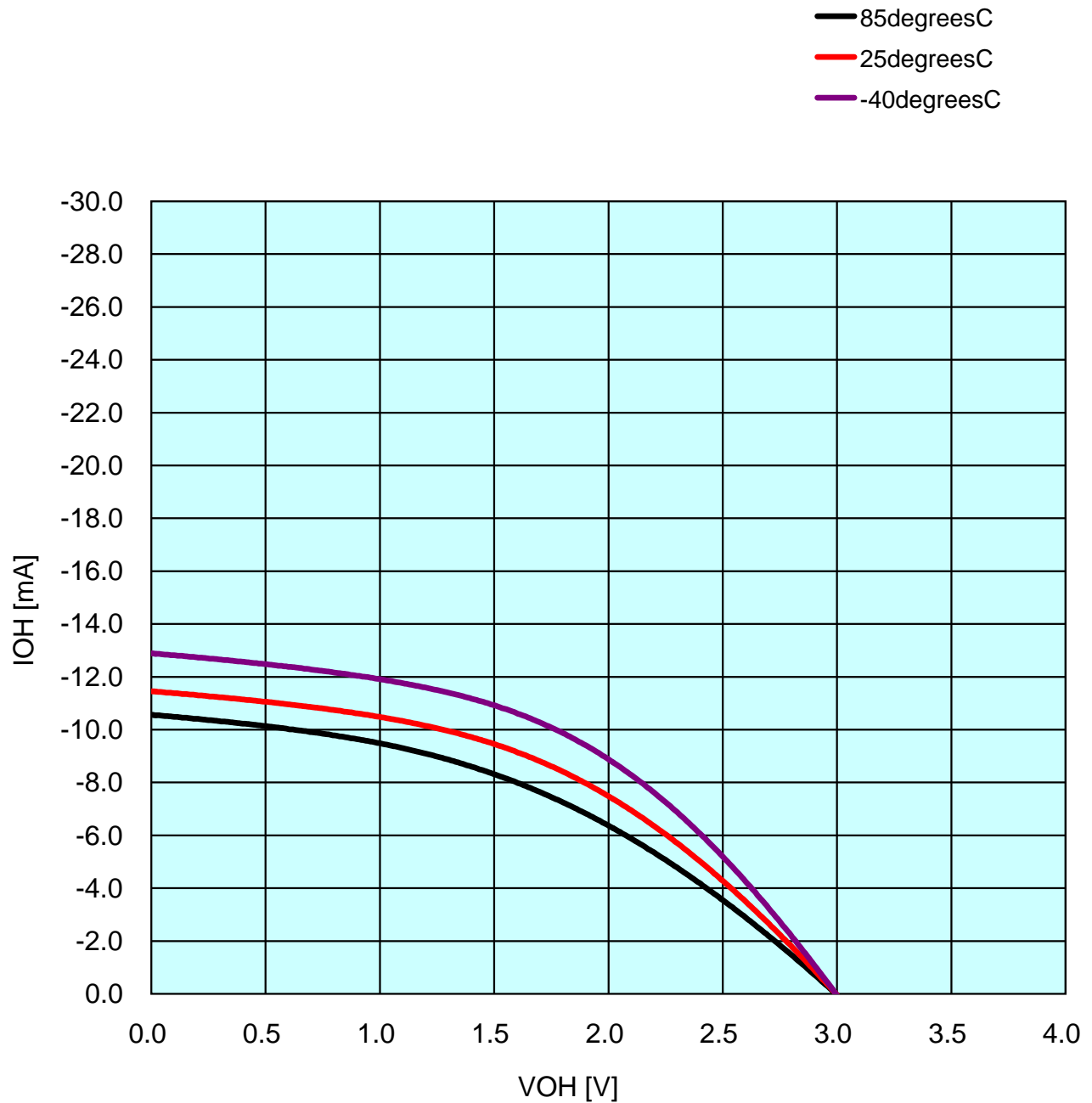
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IOH vs VOH

(Port Drive Capacity = Low)

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R8C/38T-A Group
Vcc=3V



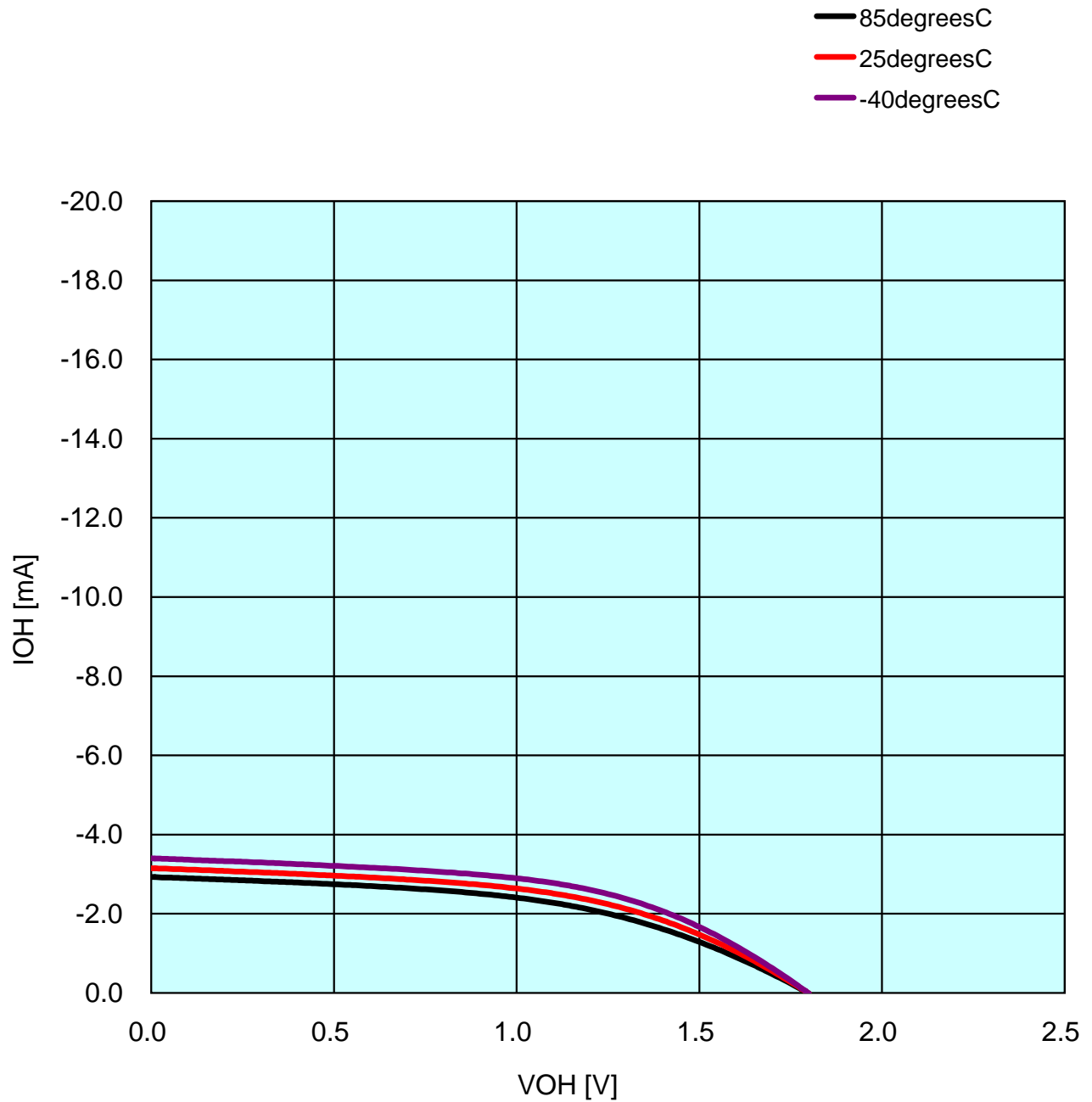
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IOH vs VOH

(Port Drive Capacity = Low)

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R8C/38T-A Group
Vcc=1.8V



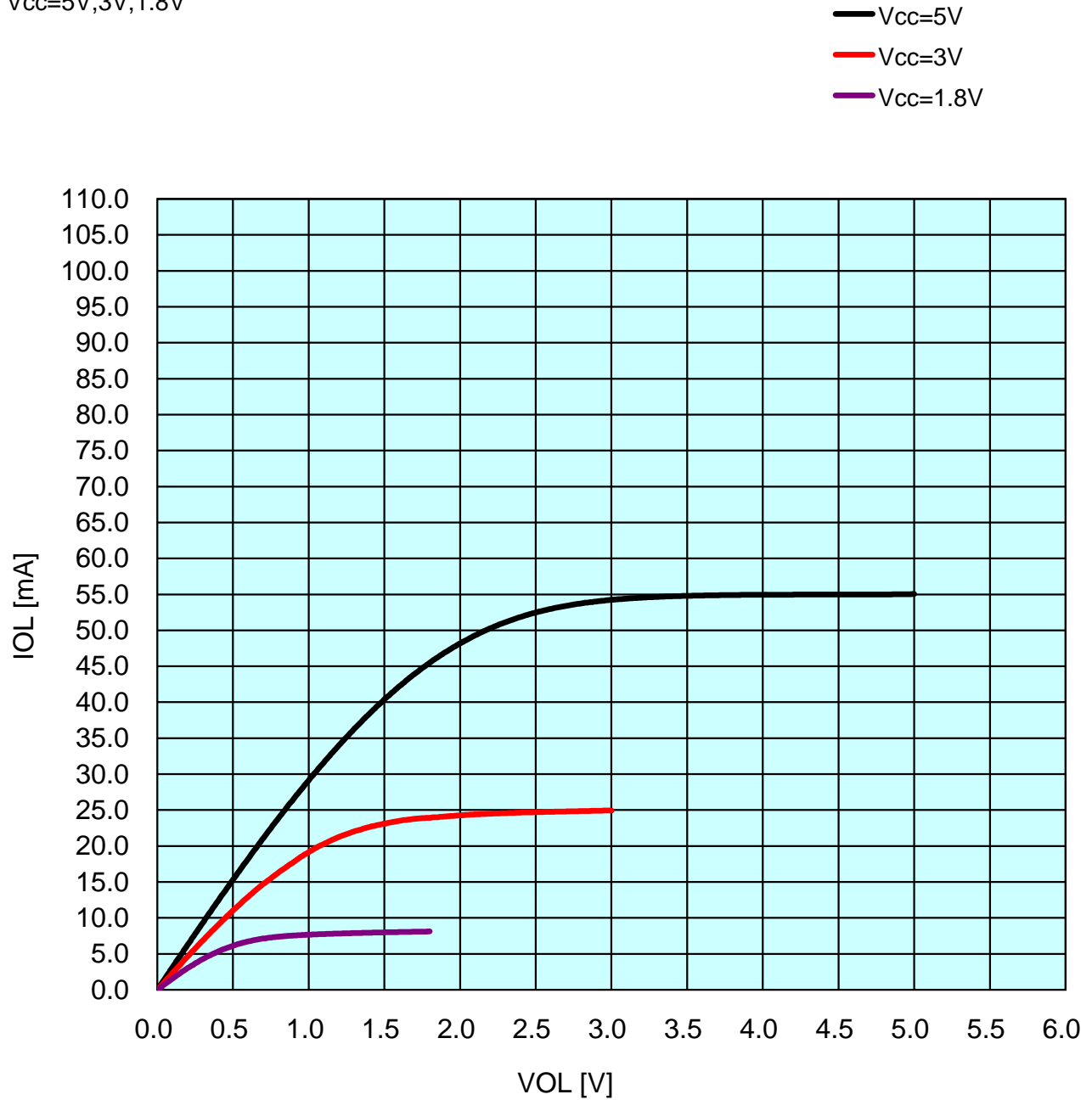
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IOL vs VOL

(Port Drive Capacity = High)

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R8C/38T-A Group
Topr= 25 degrees C
Vcc=5V,3V,1.8V



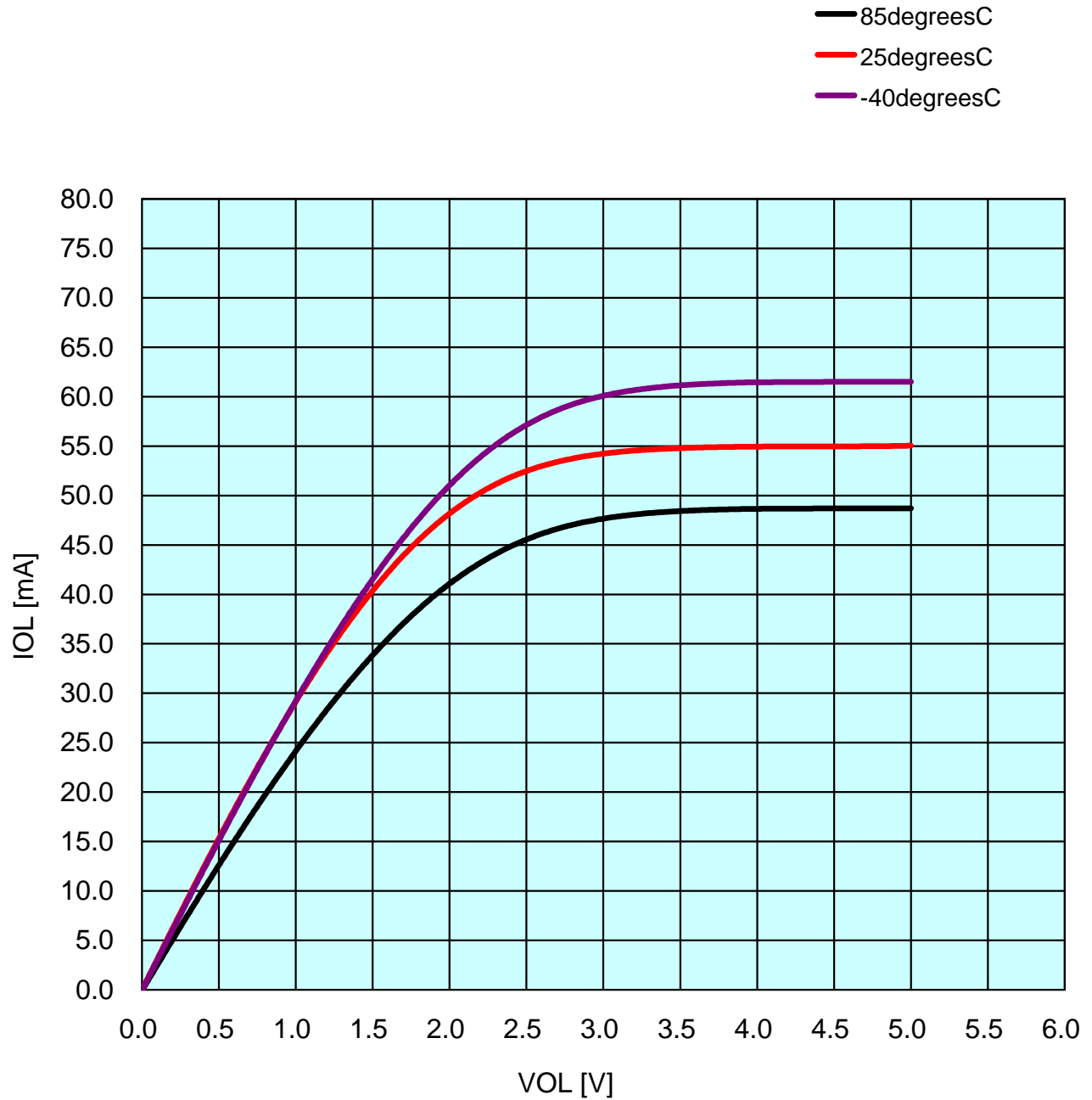
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IOL vs VOL

(Port Drive Capacity = High)

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R8C/38T-A Group
Vcc=5.0V



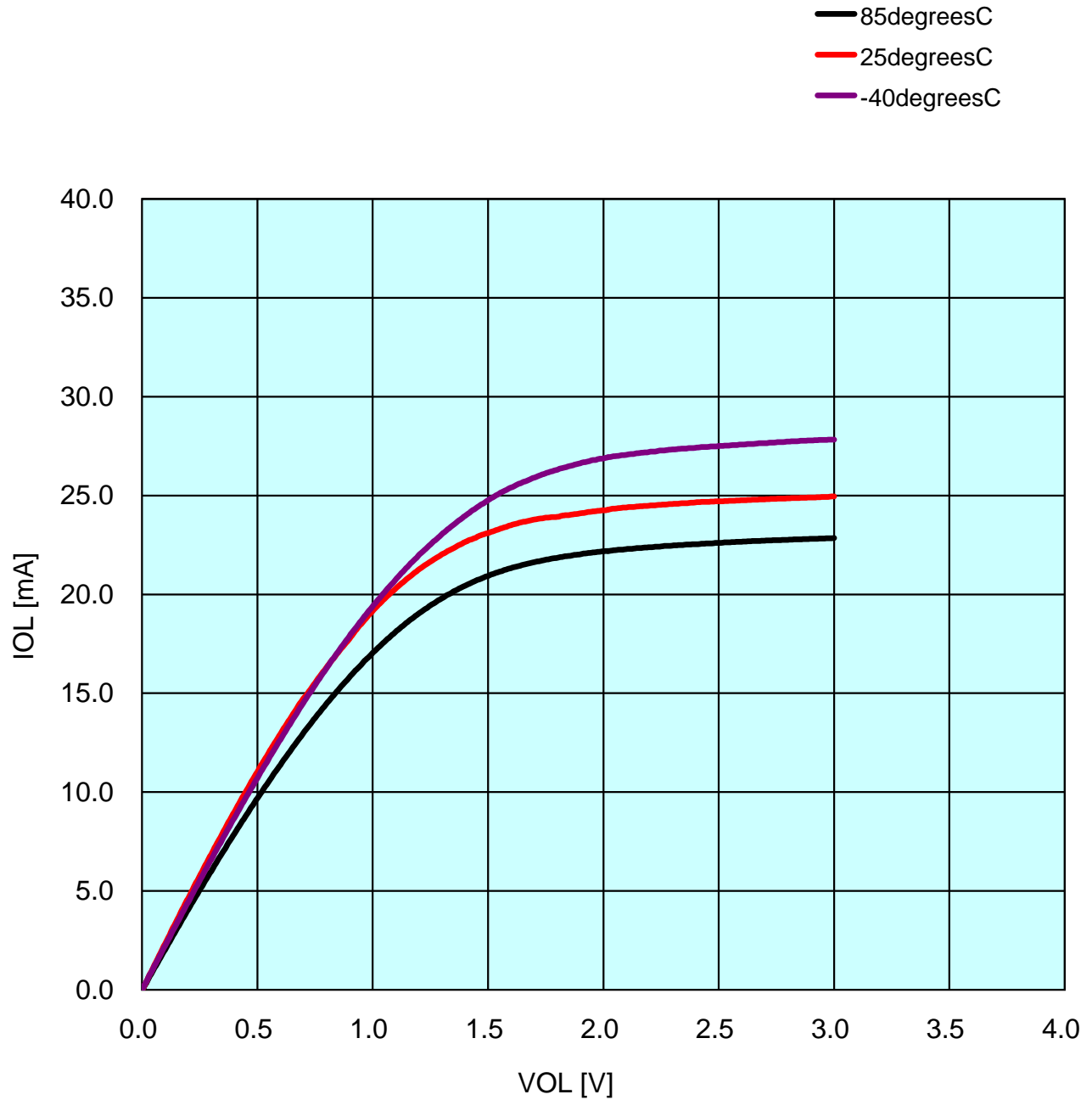
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IOL vs VOL

(Port Drive Capacity = High)

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R8C/38T-A Group
Vcc=3.0V



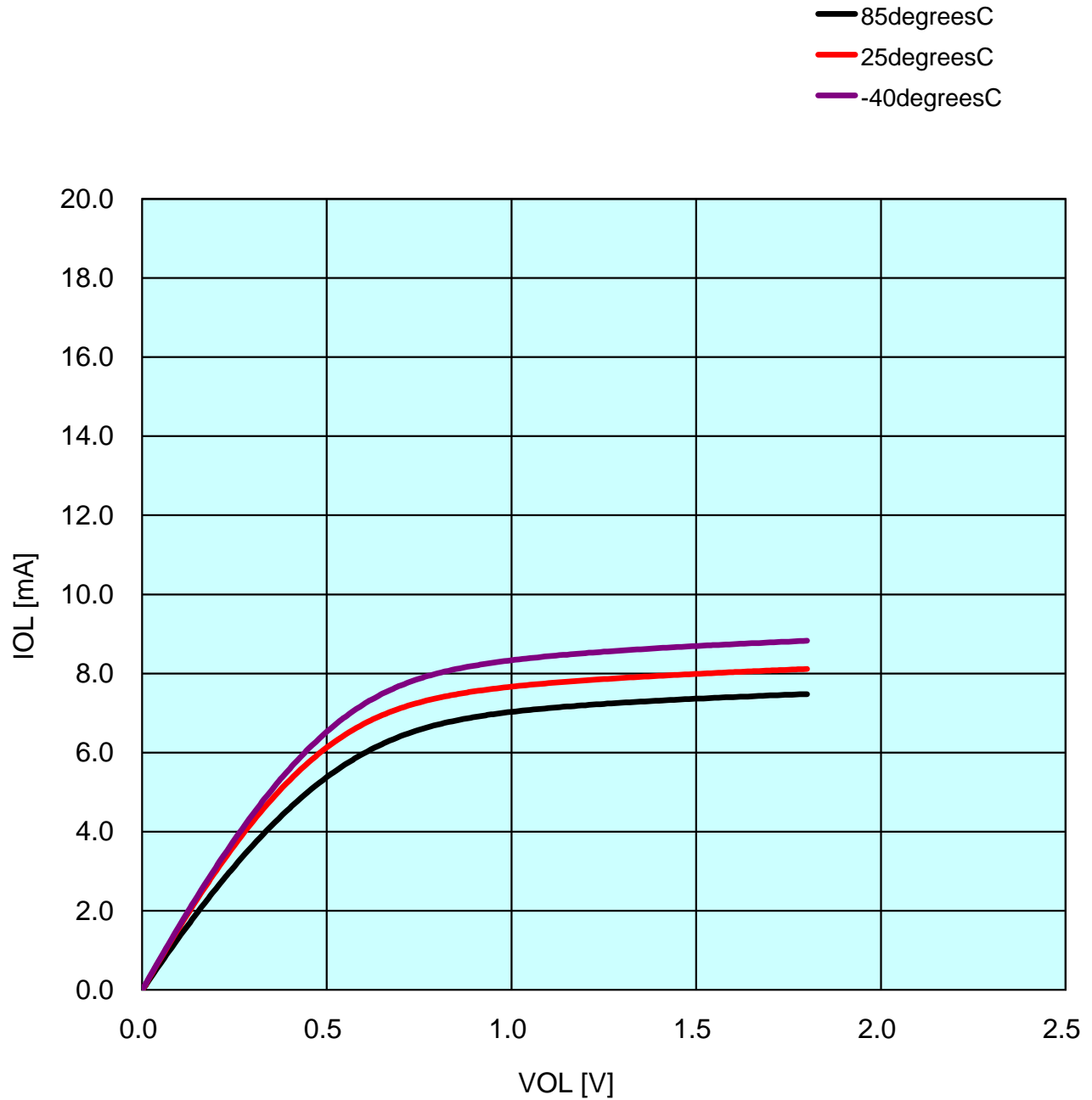
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IOL vs VOL

(Port Drive Capacity = High)

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R8C/38T-A Group
Vcc=1.8V



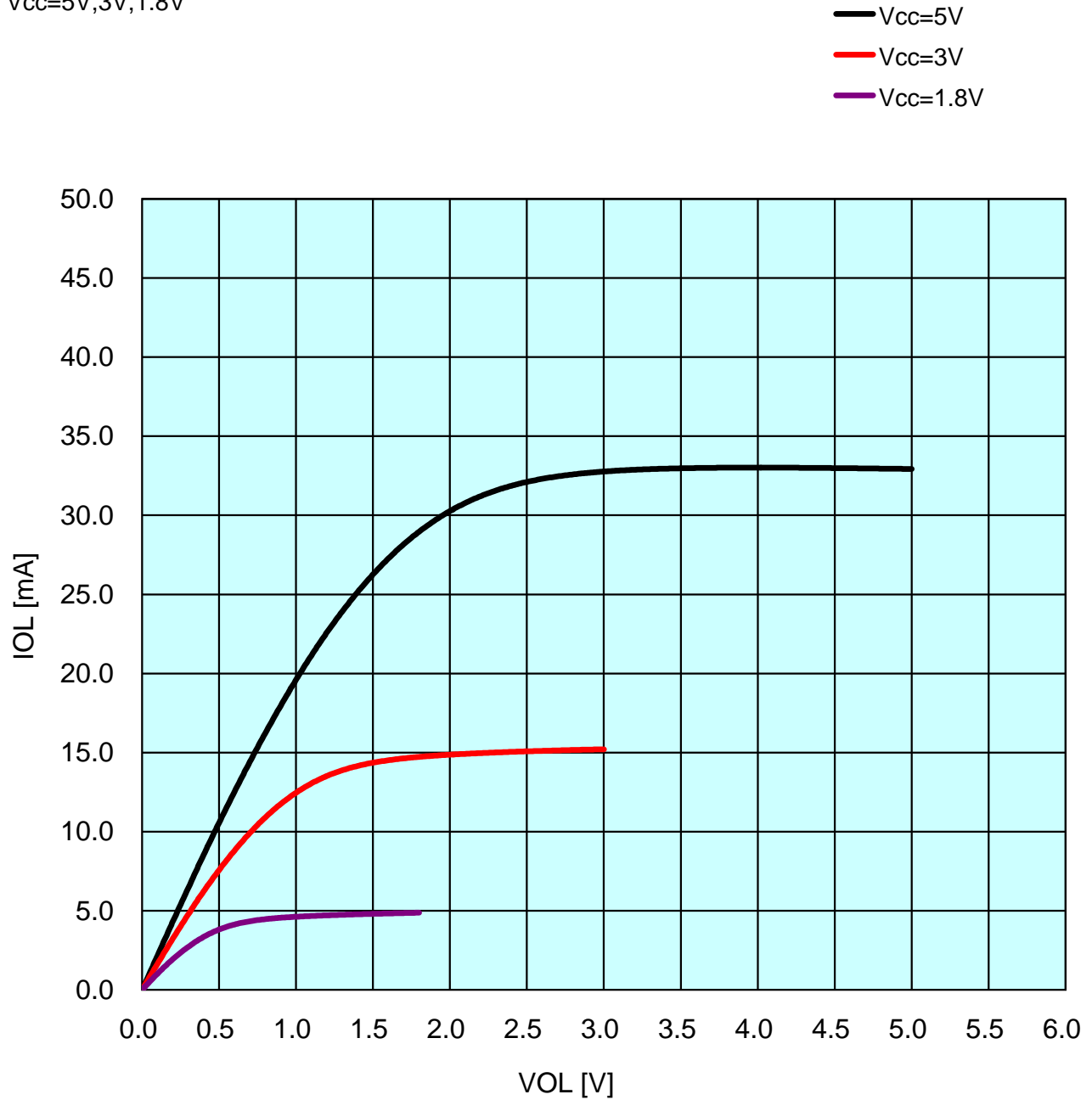
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IOL vs VOL

(Port Drive Capacity = Low)

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R8C/38T-A Group
Topr= 25 degrees C
Vcc=5V,3V,1.8V



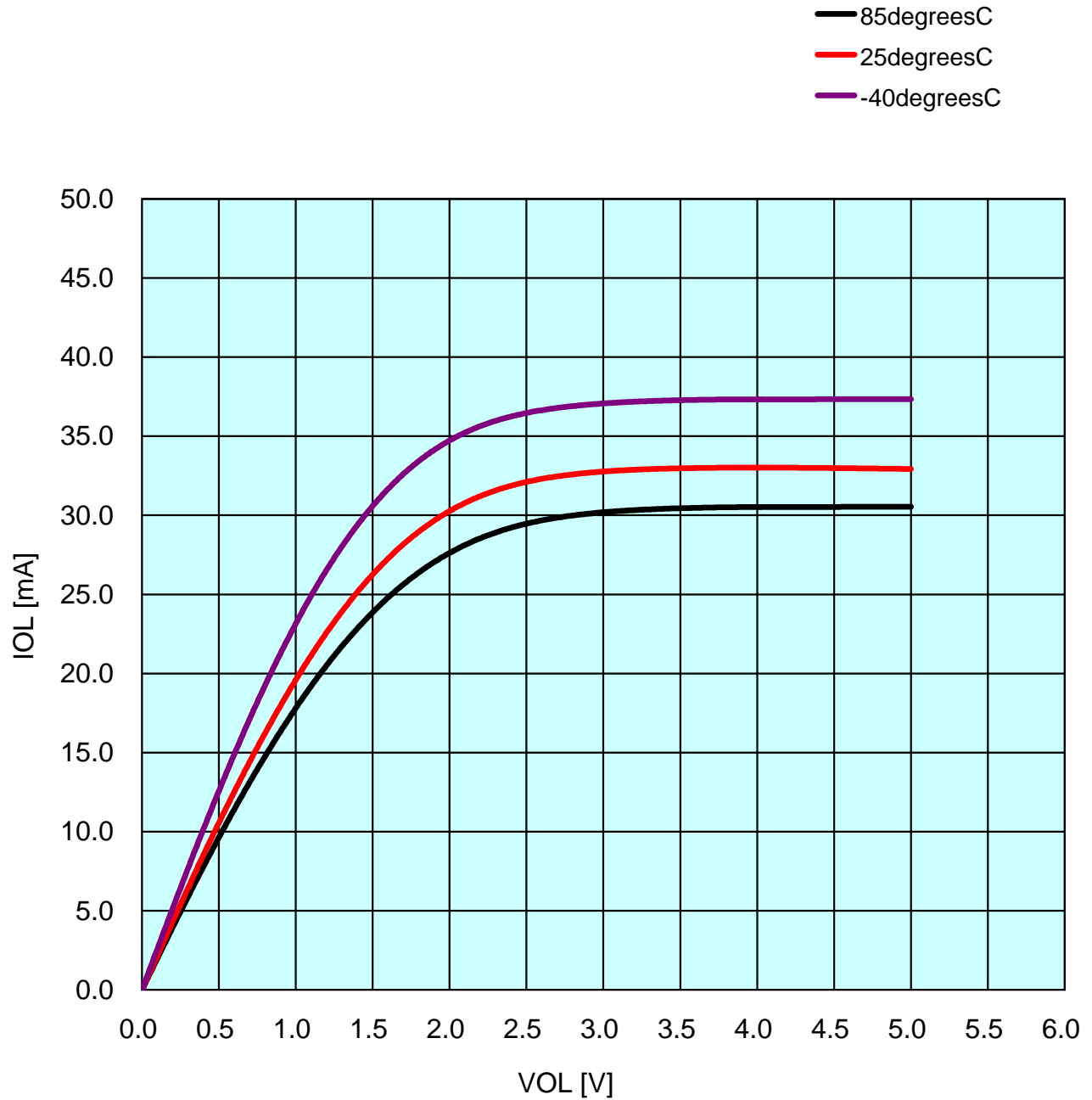
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IOL vs VOL

(Port Drive Capacity = Low)

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R8C/38T-A Group
Vcc=5.0V



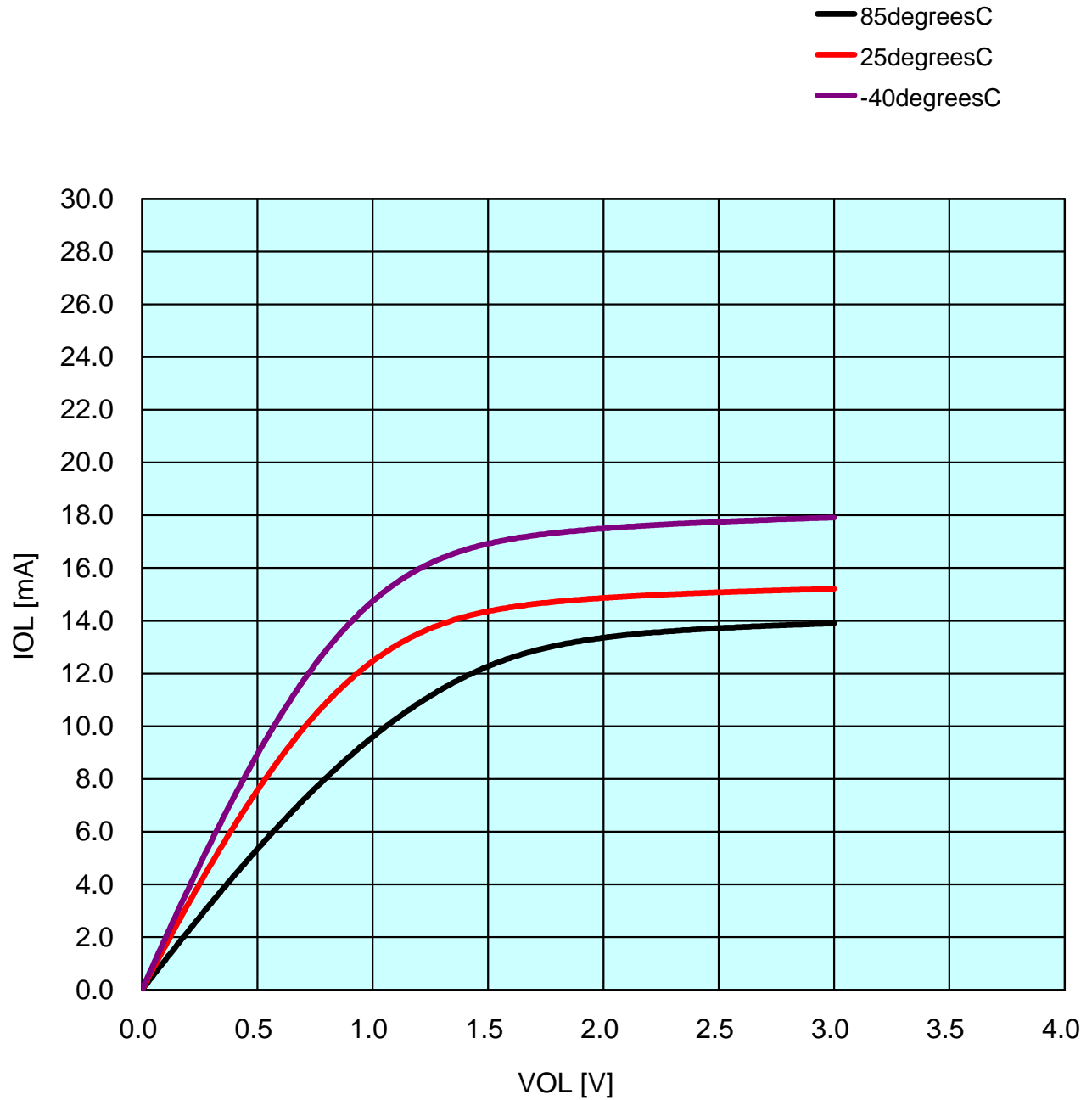
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IOL vs VOL

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R8C/38T-A Group
Vcc=3.0V



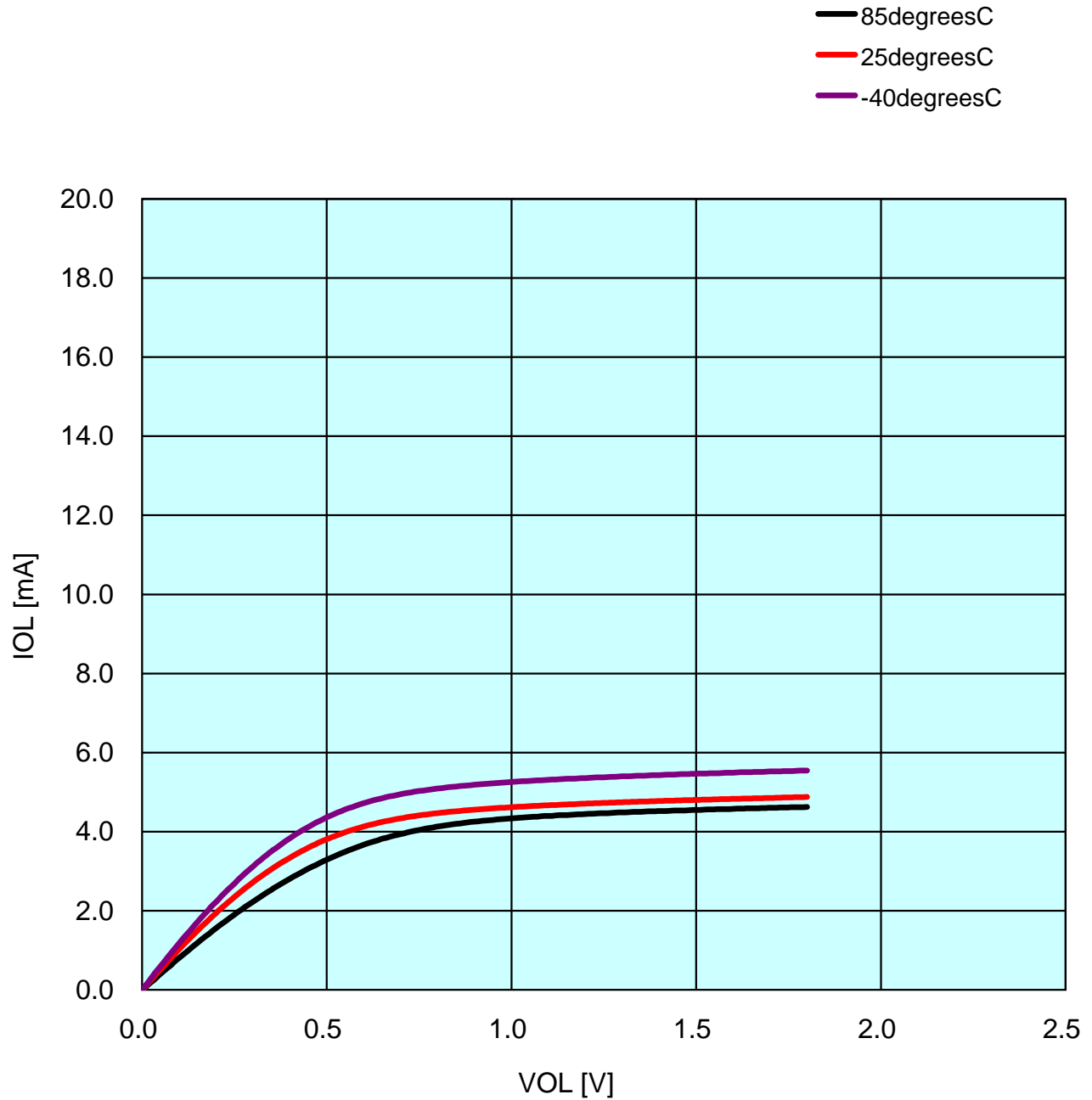
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IOL vs VOL

(Port Drive Capacity = Low)

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R8C/38T-A Group
Vcc=1.8V



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