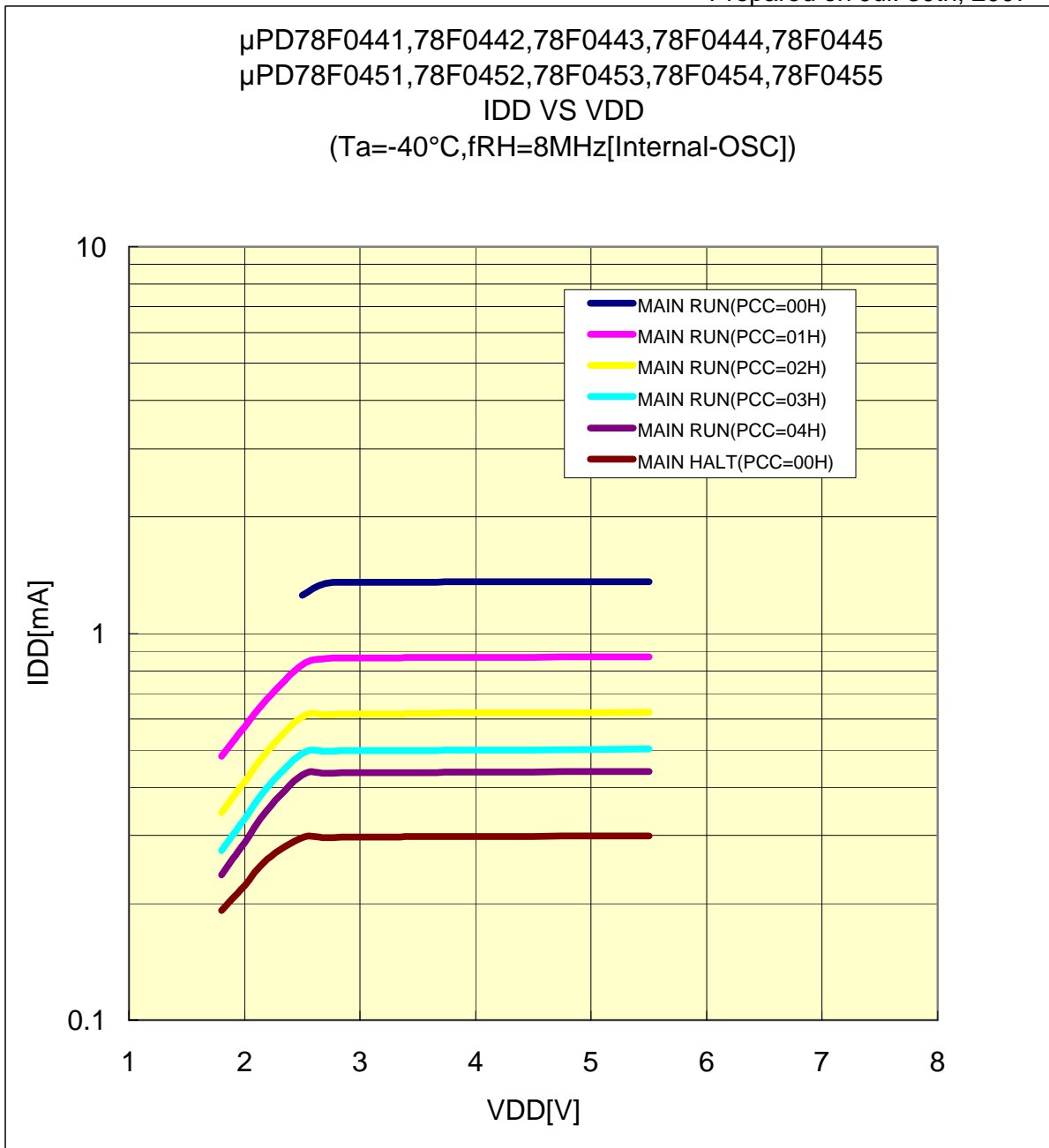


μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(-40°C/8MHz[Internal-OSC])

Prepared on Jul. 30th, 2007

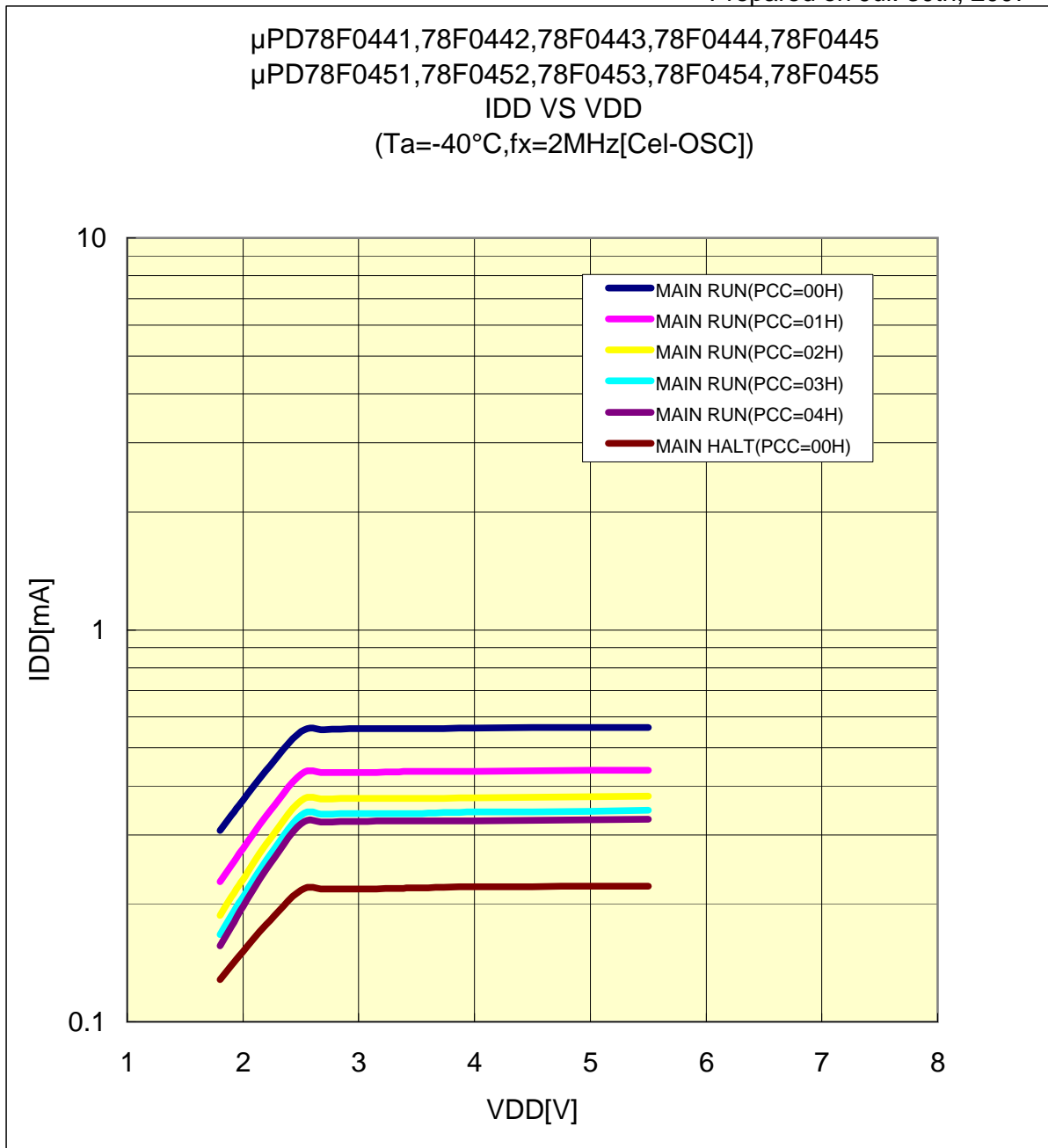


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(-40°C/2MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

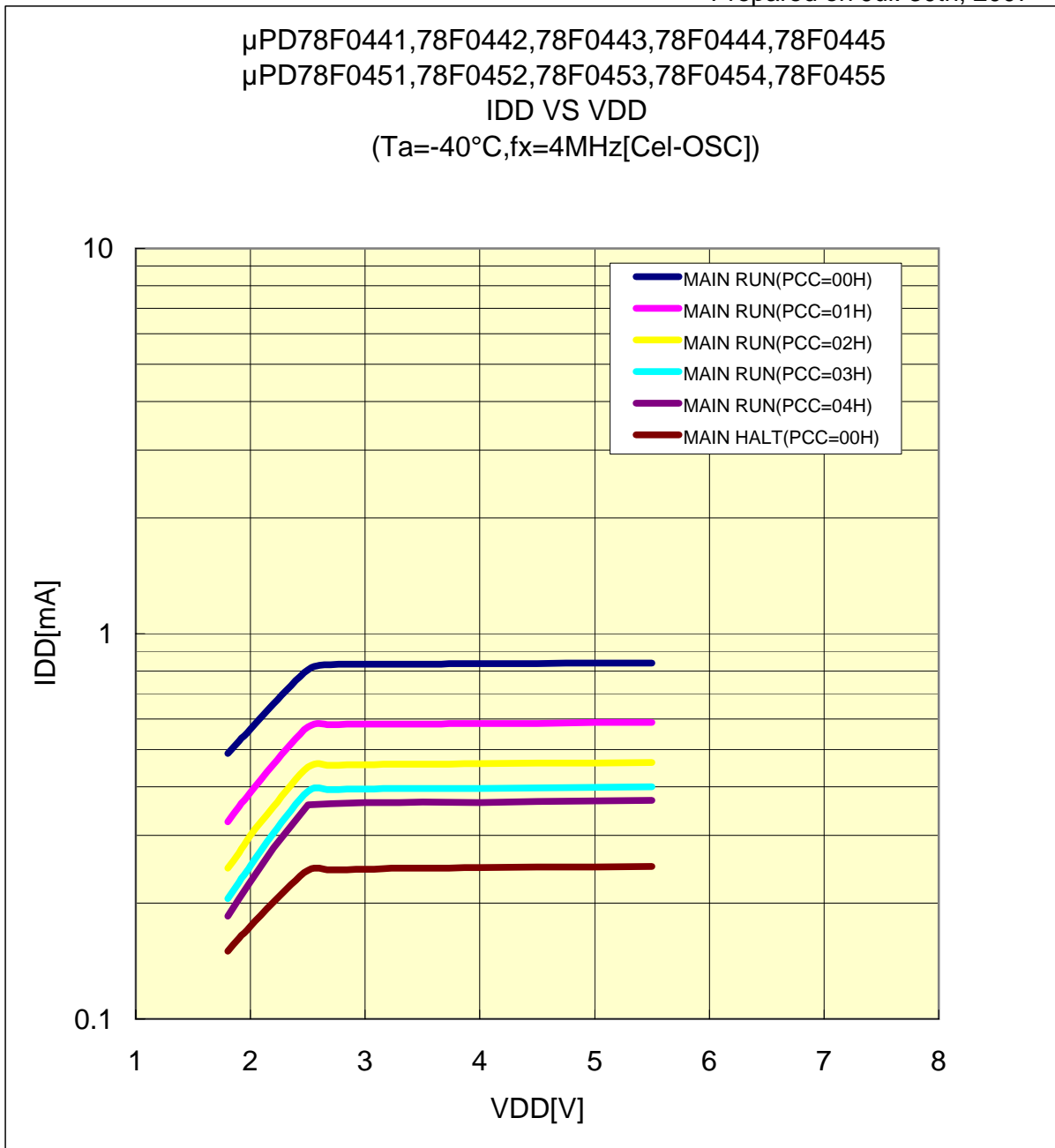


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(-40°C/4MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

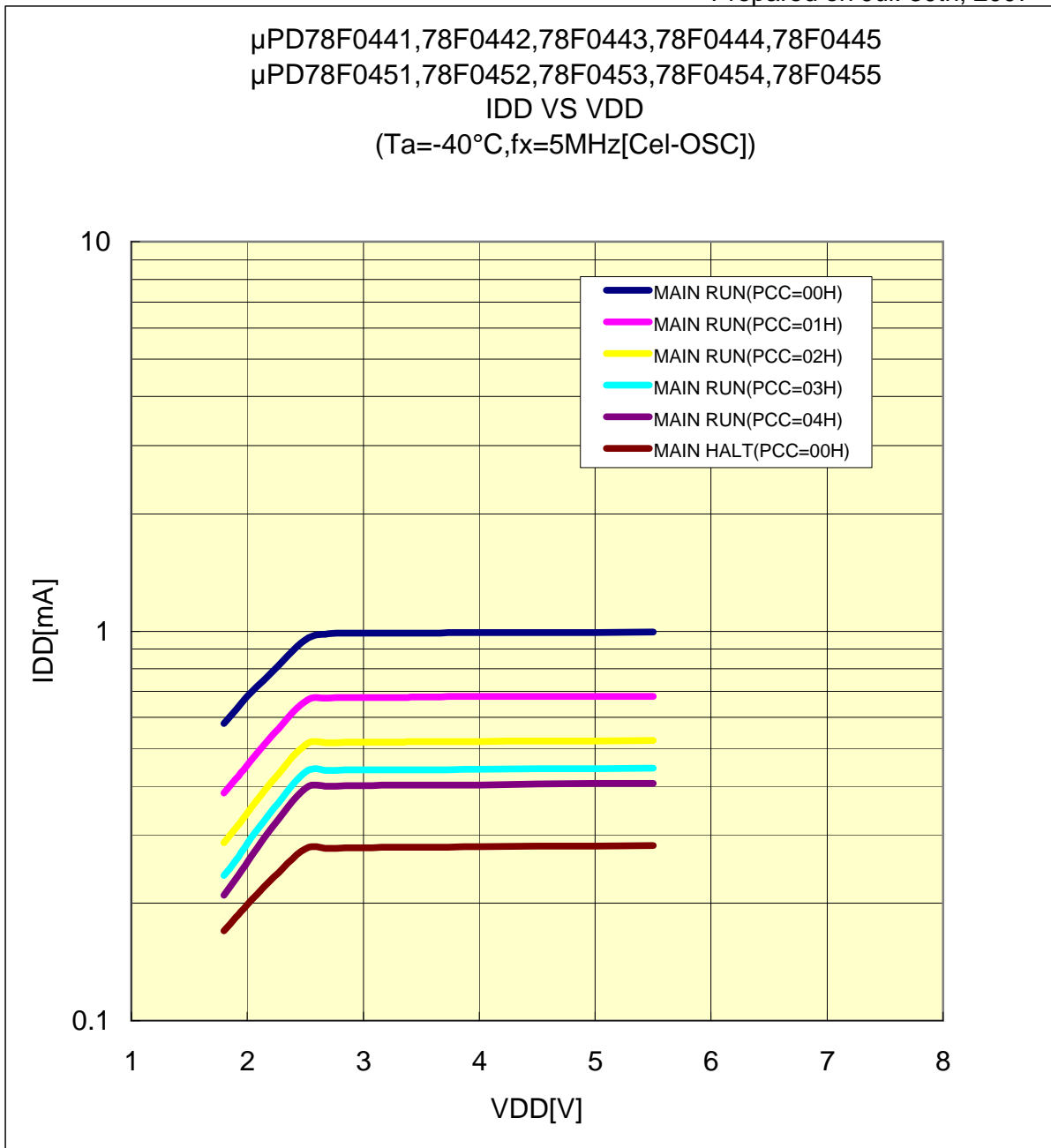


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(-40°C/5MHz[CeI-OSC])

Prepared on Jul. 30th, 2007

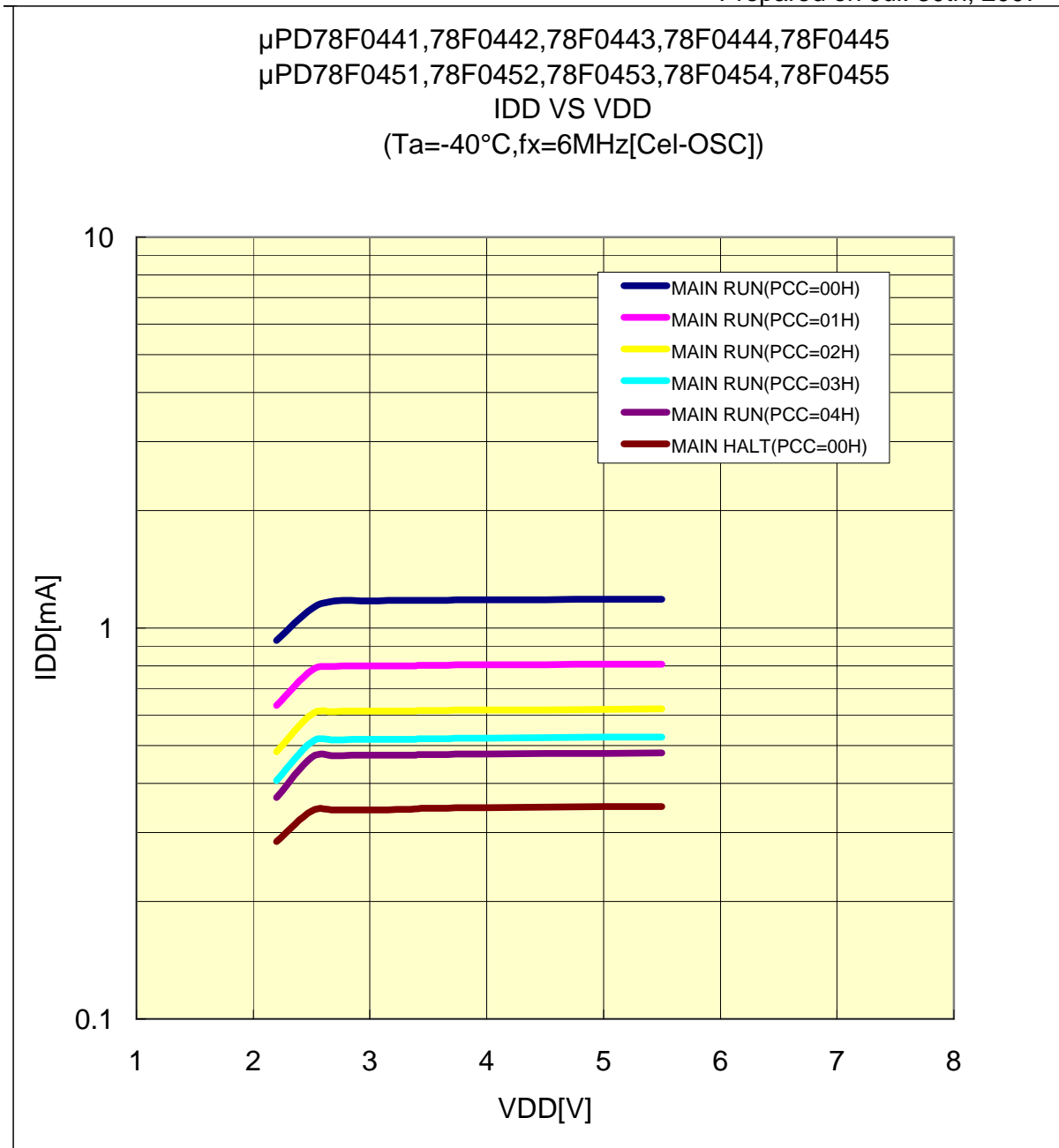


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
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IDD VS VDD(-40°C/6MHz[CeI-OSC])

Prepared on Jul. 30th, 2007

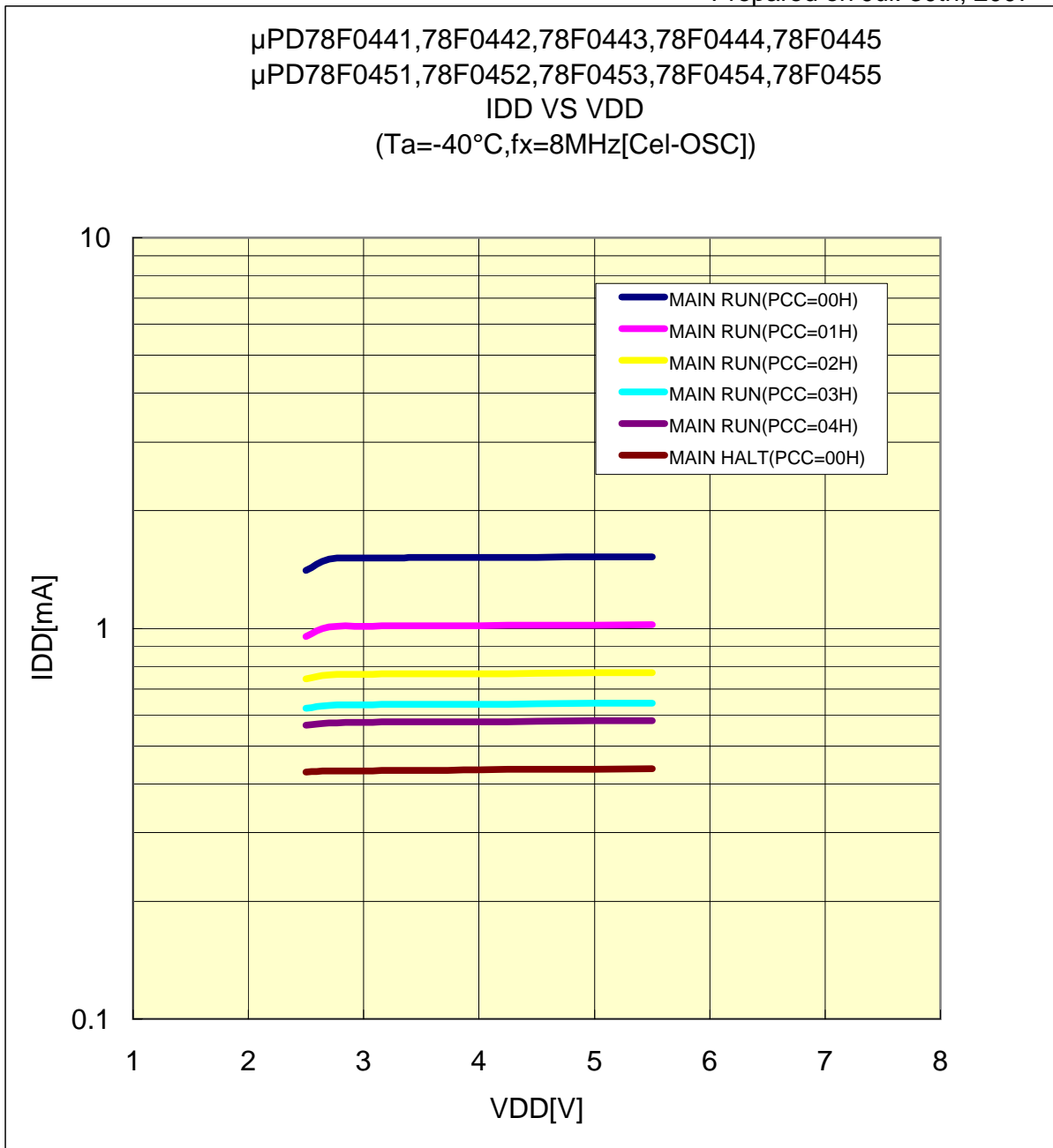


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics. The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(-40°C/8MHz[CeI-OSC])

Prepared on Jul. 30th, 2007

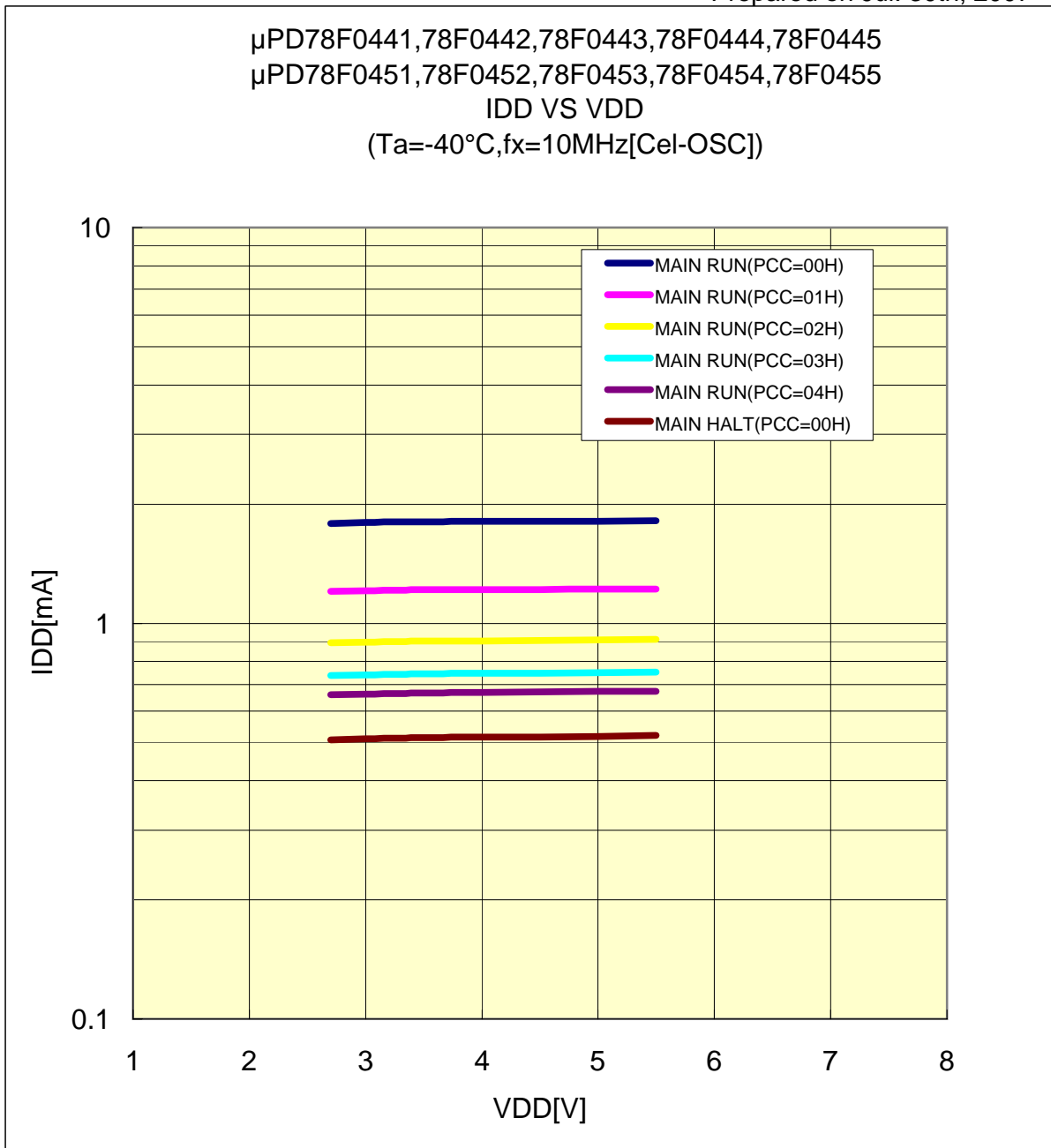


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(-40°C/10MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

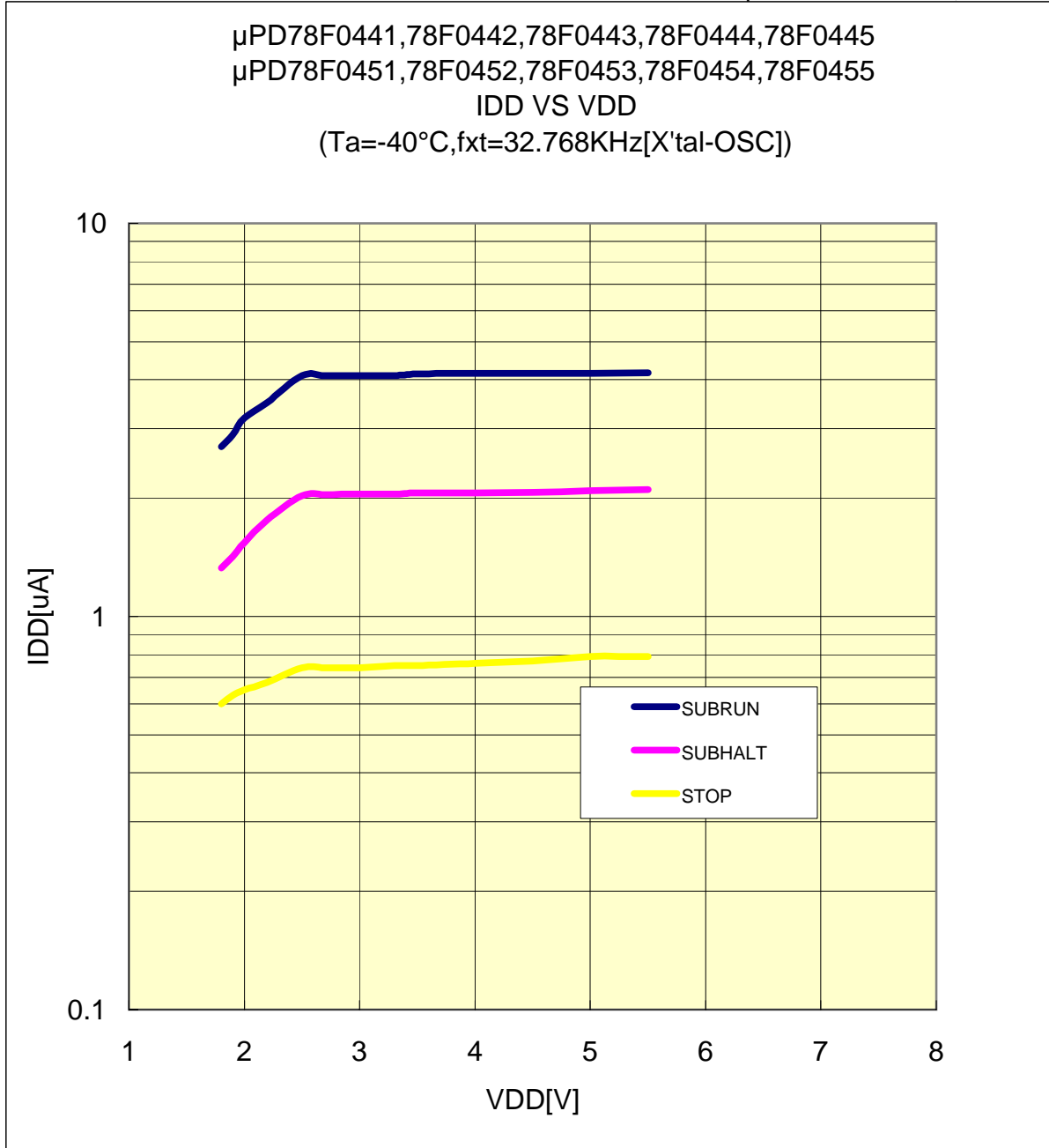


ε mentioned value is only for your reference. The value was measured under conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(-40°C/32.768KHz[X'tal-OSC])

Prepared on Jul. 30th, 2007

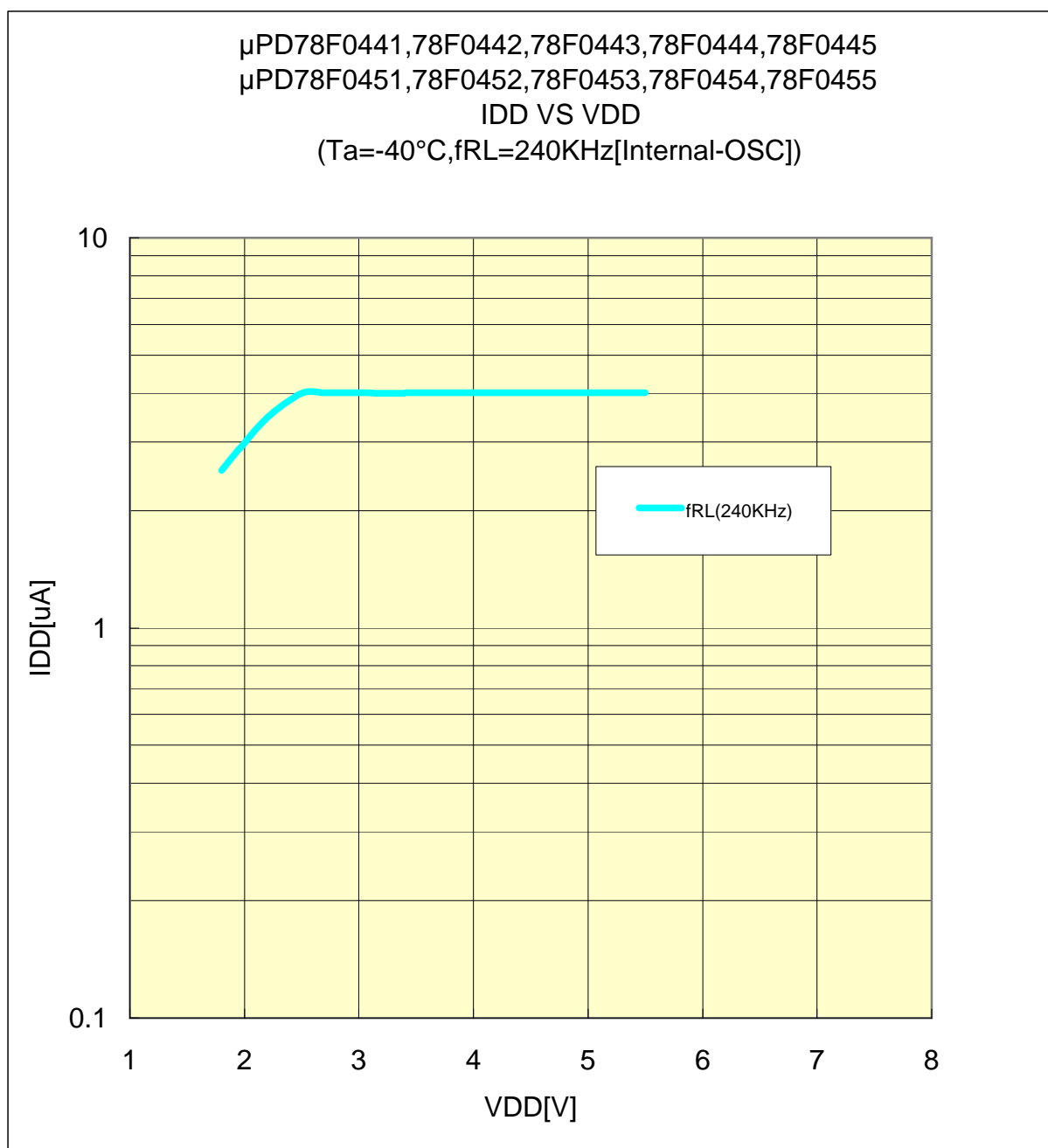


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(-40°C/240KHz[Internal-OSC])

Prepared on Jul. 30th, 2007

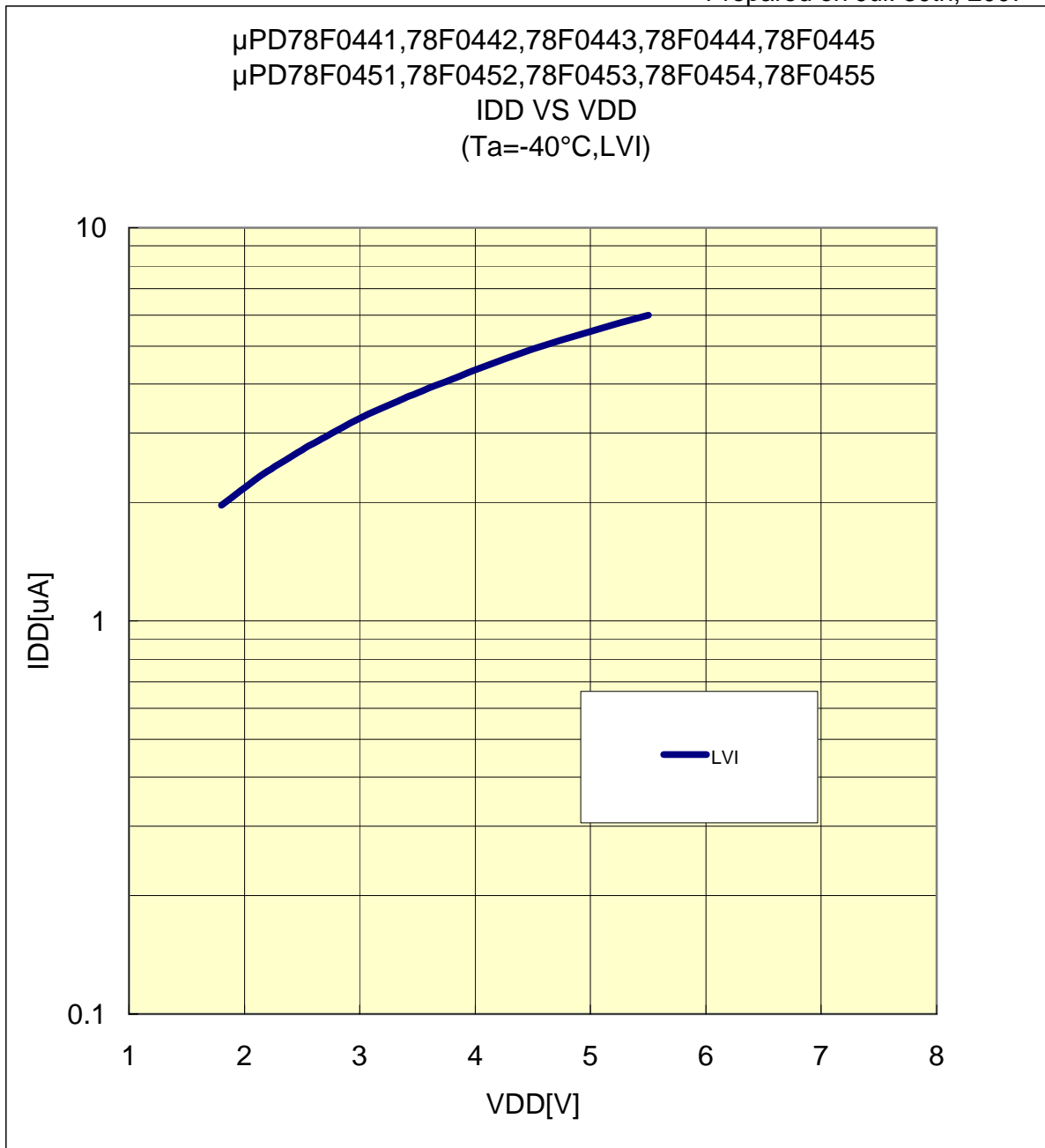


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(-40°C/LVI)

Prepared on Jul. 30th, 2007

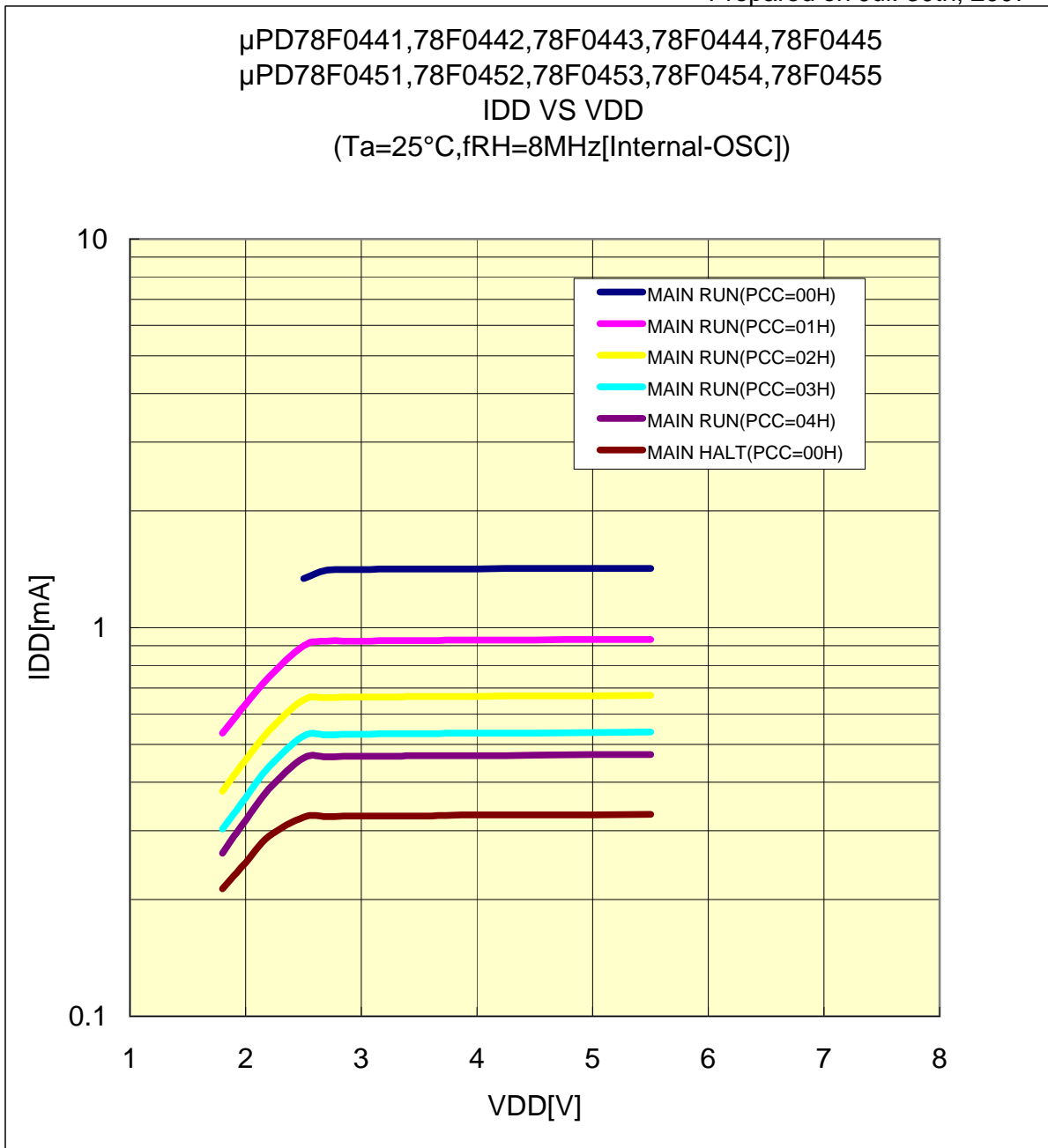


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(25°C/8MHz[Internal-OSC])

Prepared on Jul. 30th, 2007

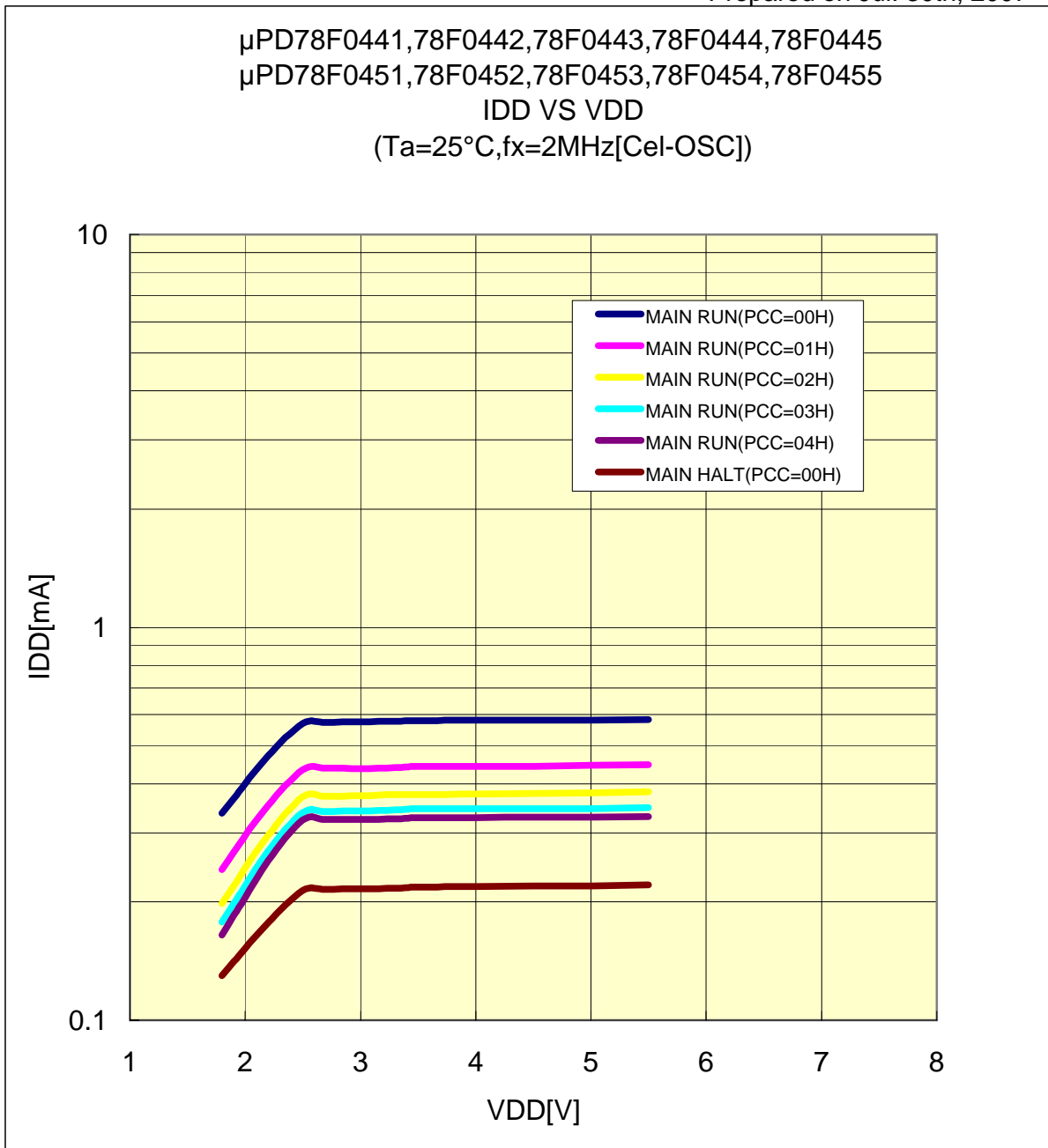


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(25°C/2MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

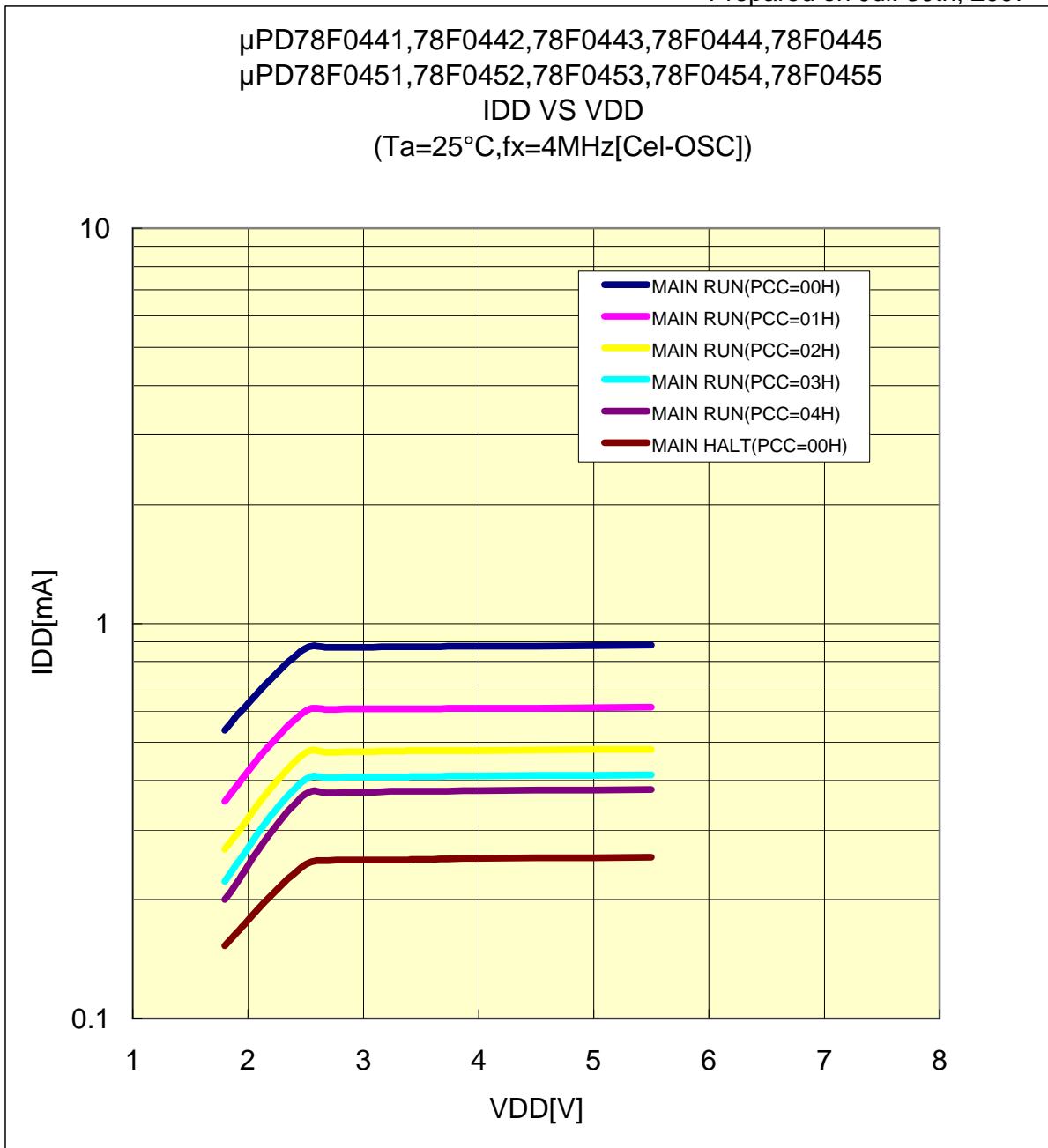


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

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78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(25°C/4MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

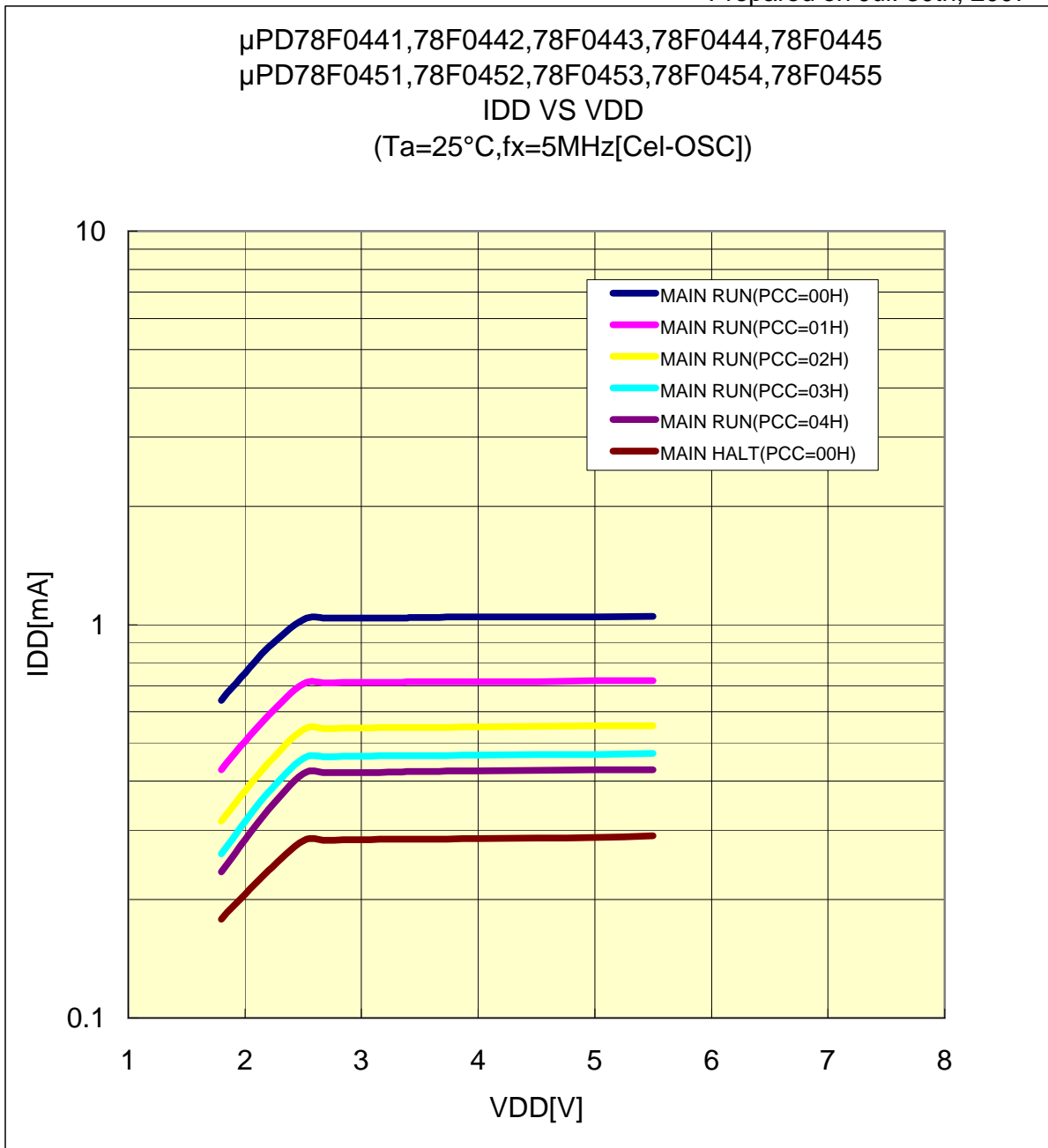


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

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78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(25°C/5MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

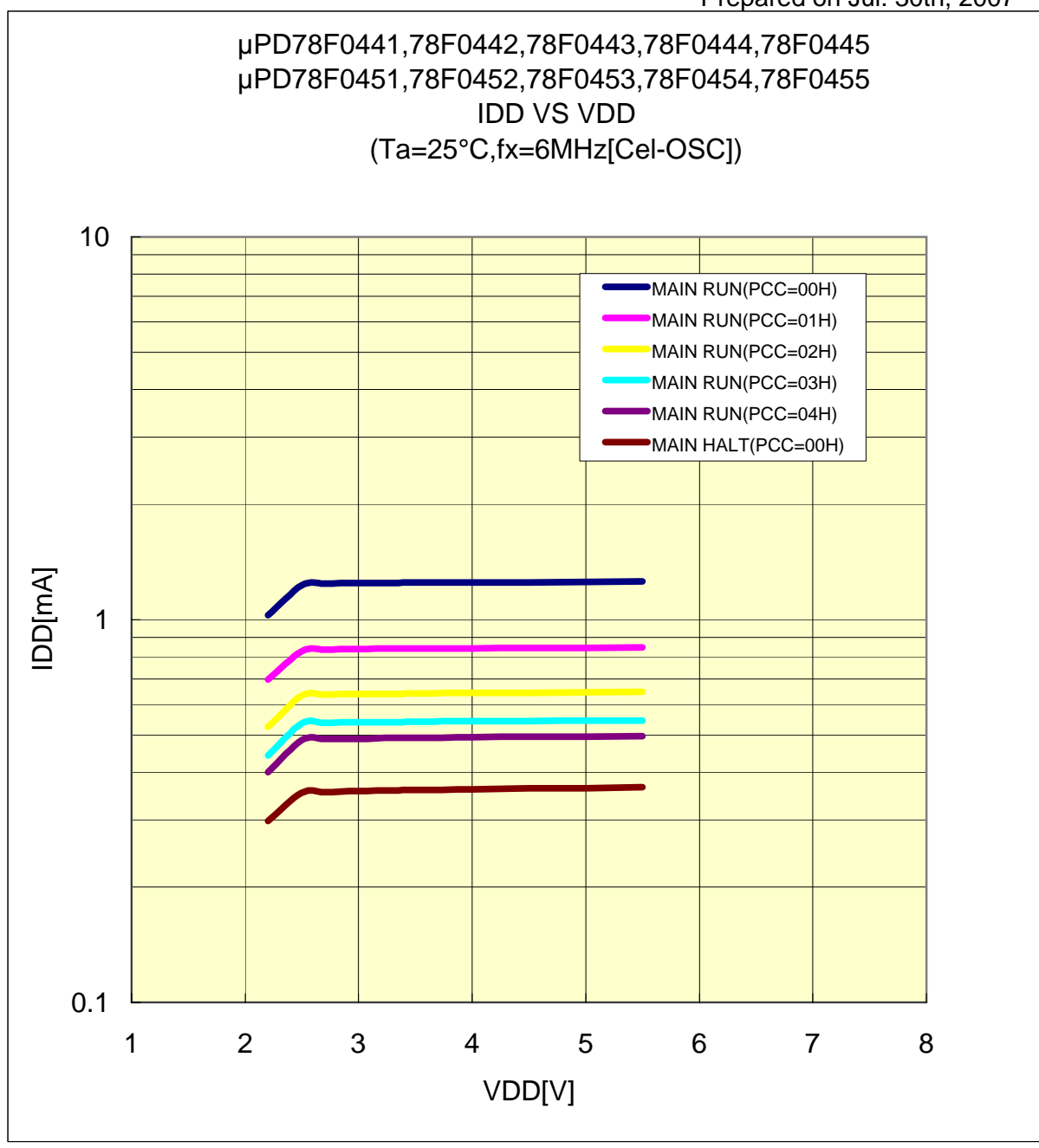


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(25°C/6MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

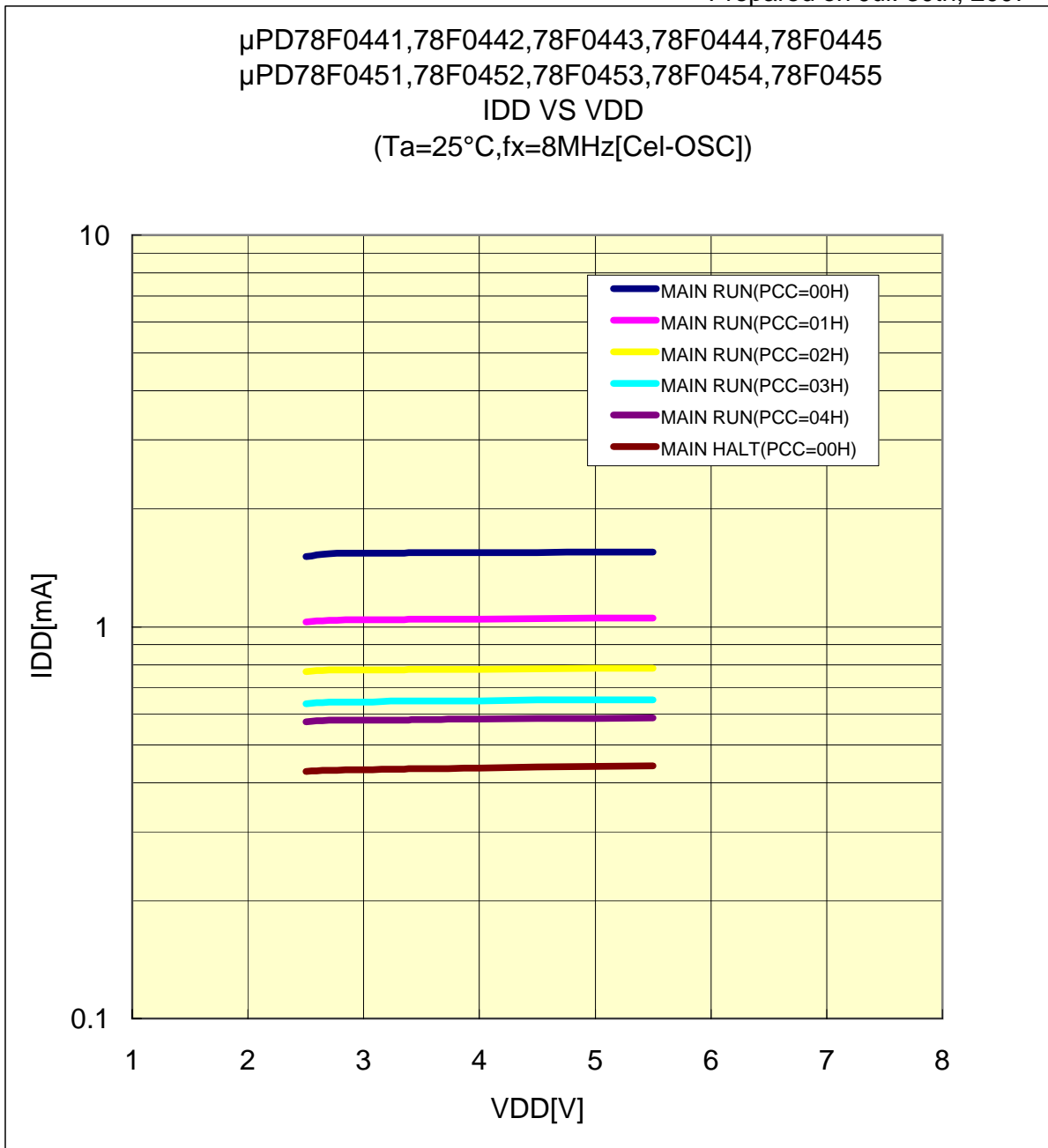


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(25°C/8MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

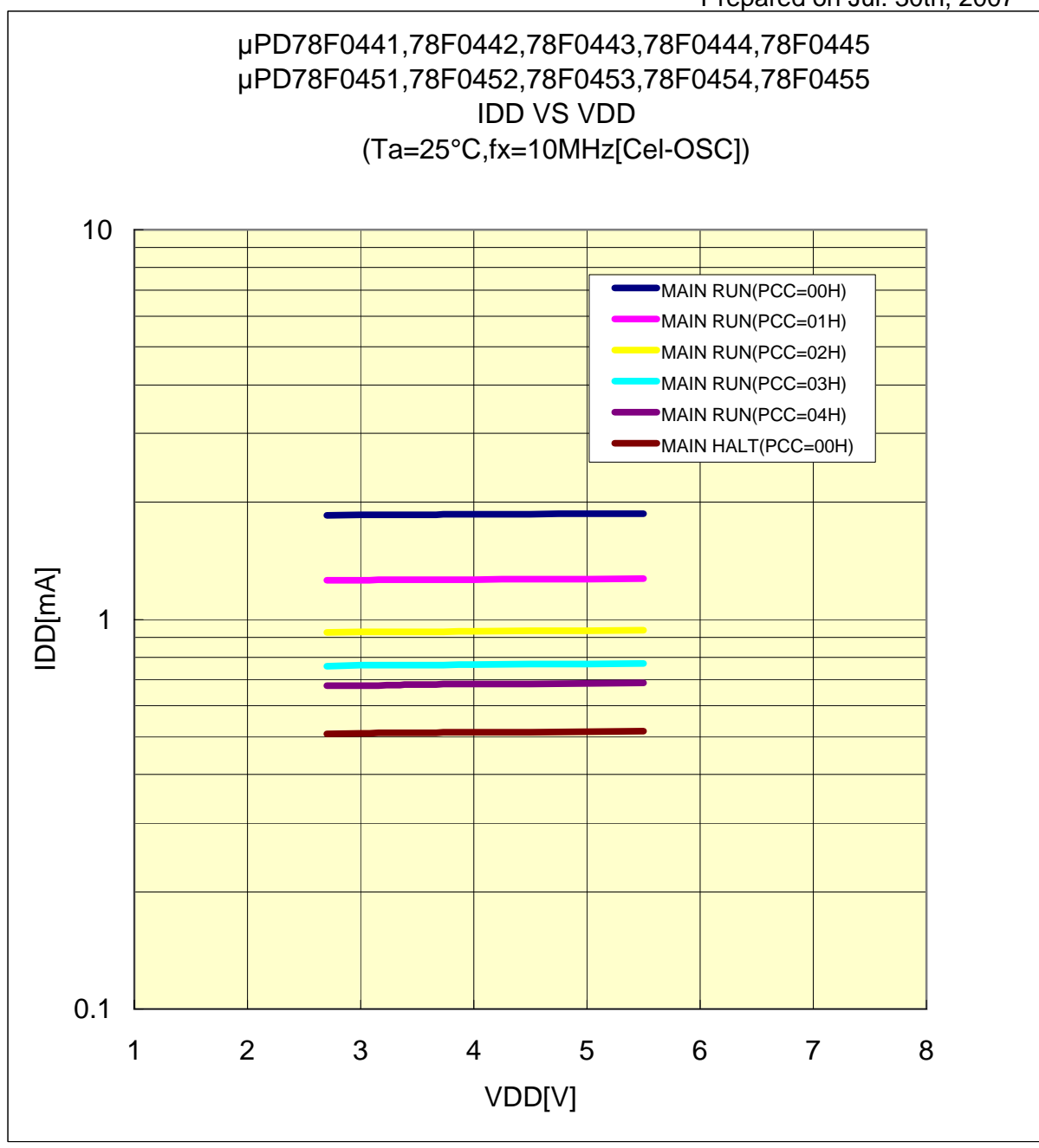


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(25°C/10MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

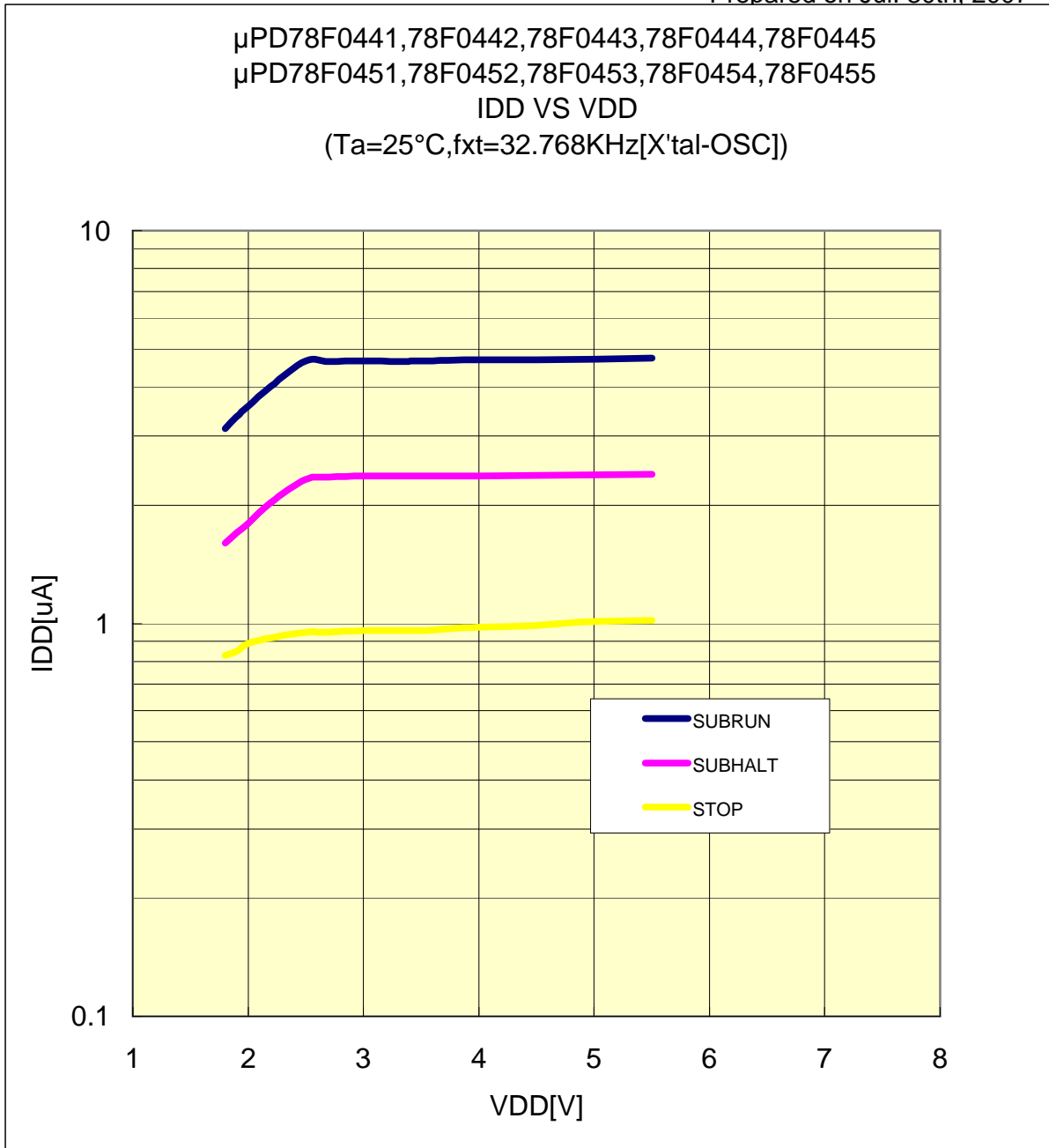


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(25°C/32.768KHz[Cel-OSC])

Prepared on Jul. 30th, 2007

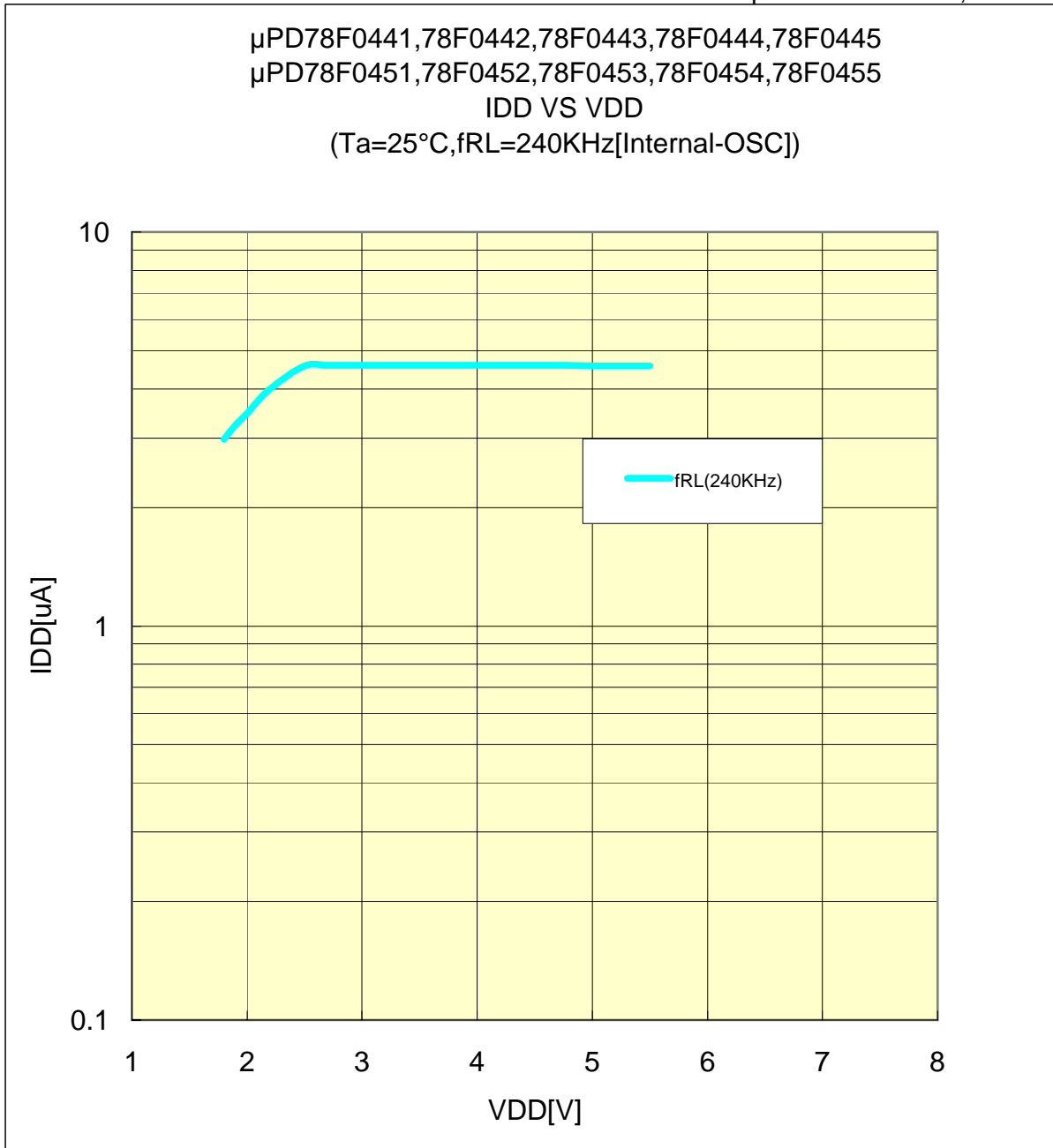


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

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78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(25°C/240KHz[Internal-OSC])

Prepared on Jul. 30th, 2007

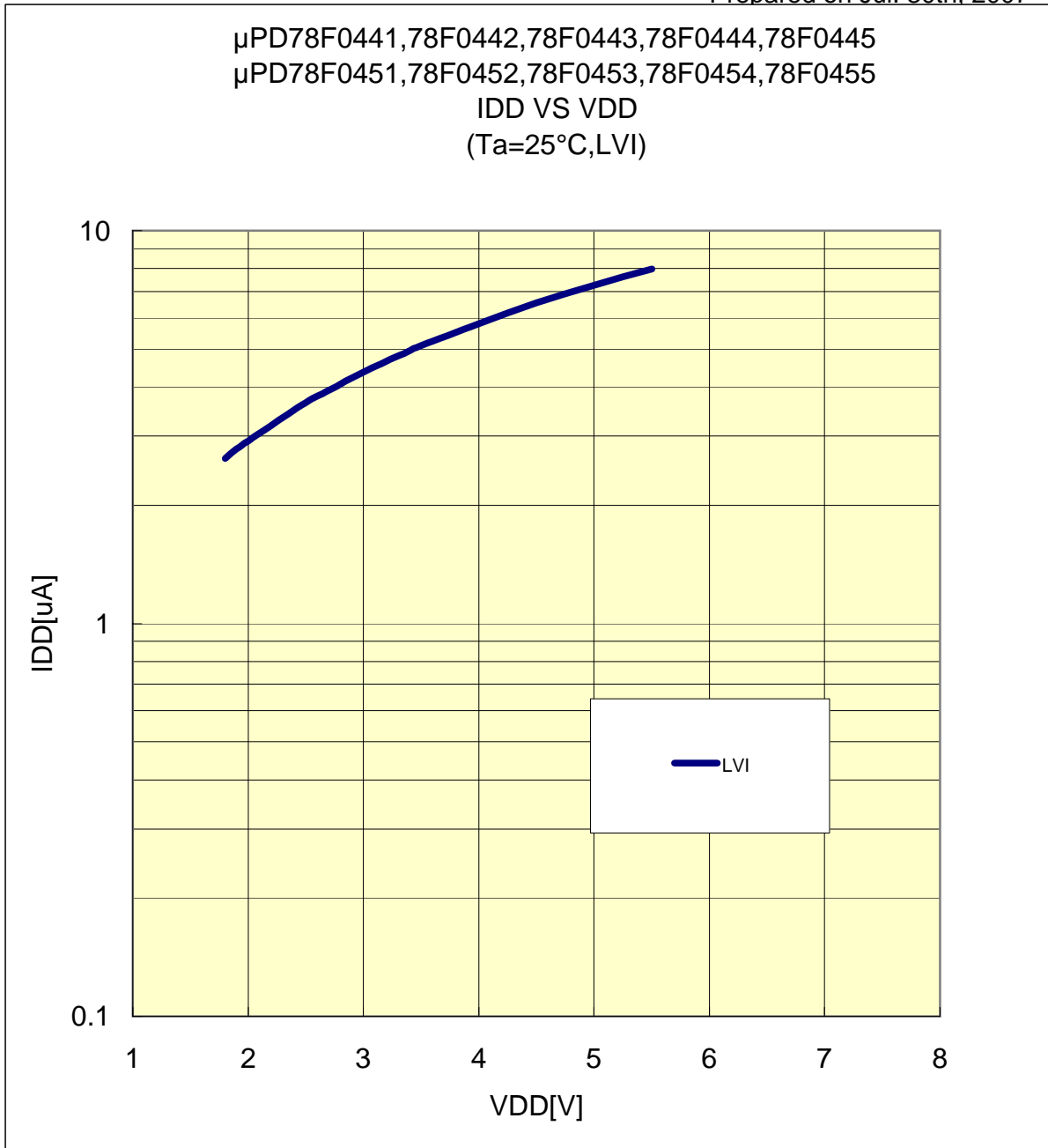


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(25°C/LVI)

Prepared on Jul. 30th, 2007

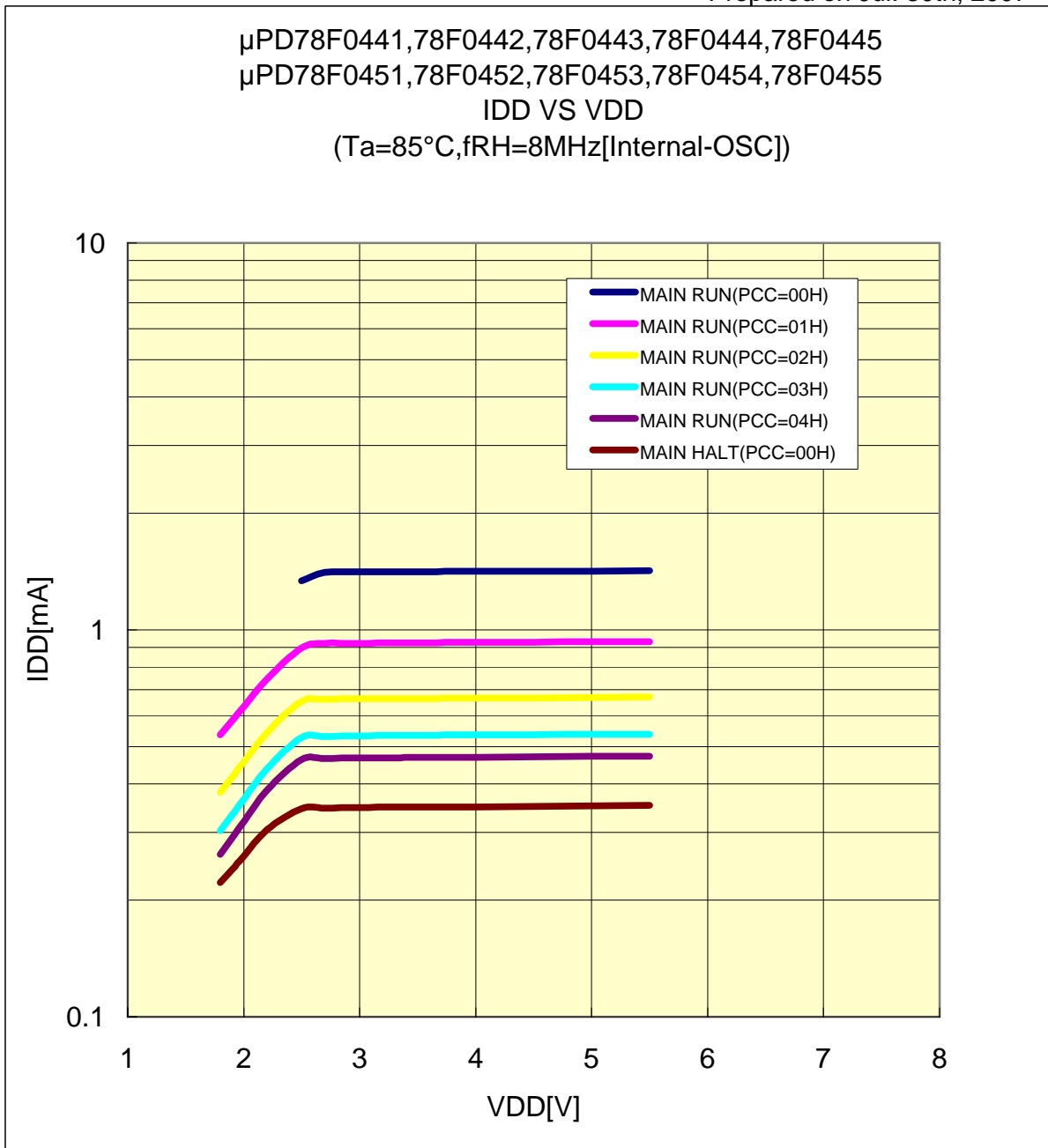


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/8MHz[Internal-OSC])

Prepared on Jul. 30th, 2007

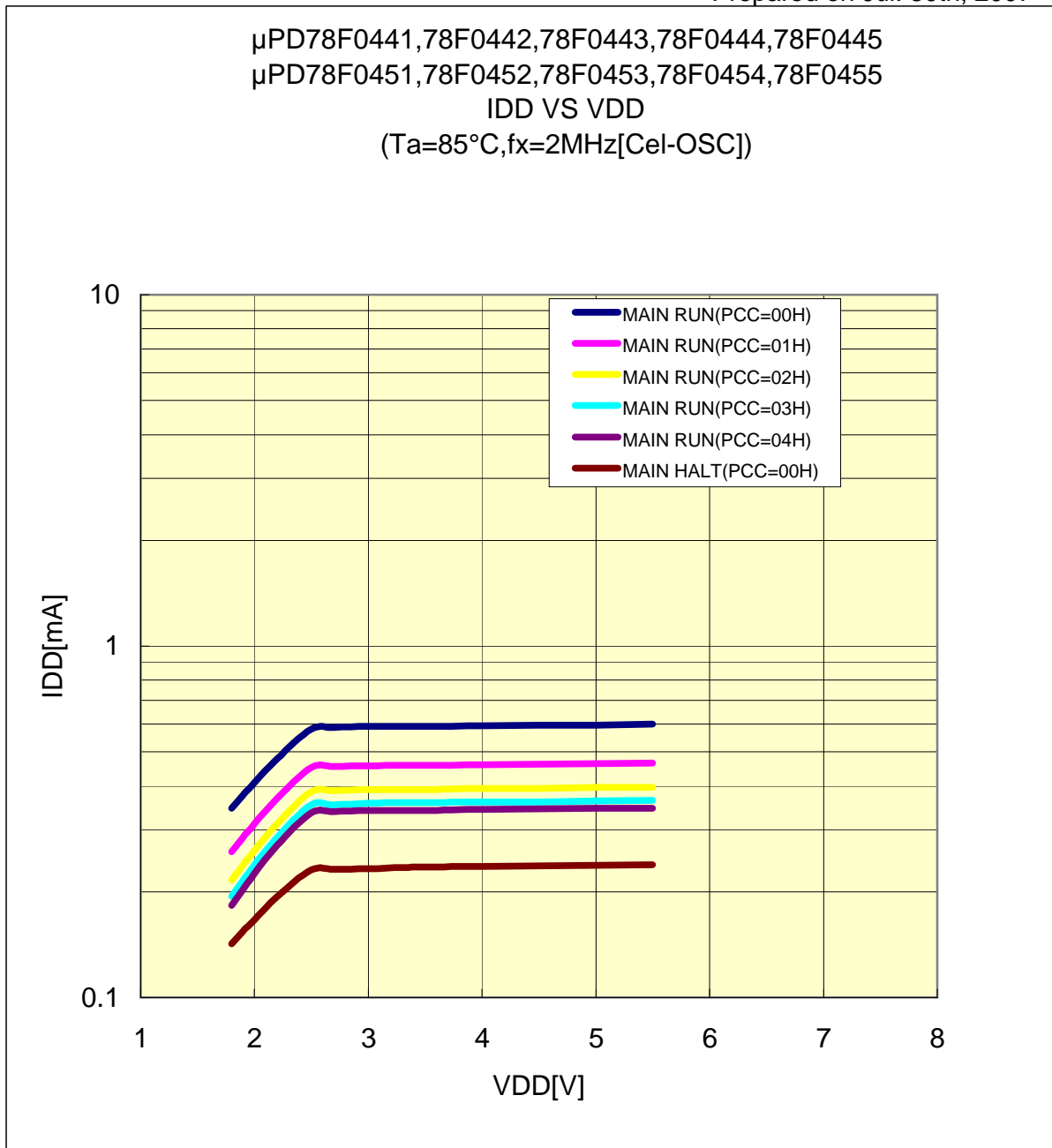


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(85°C/2MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

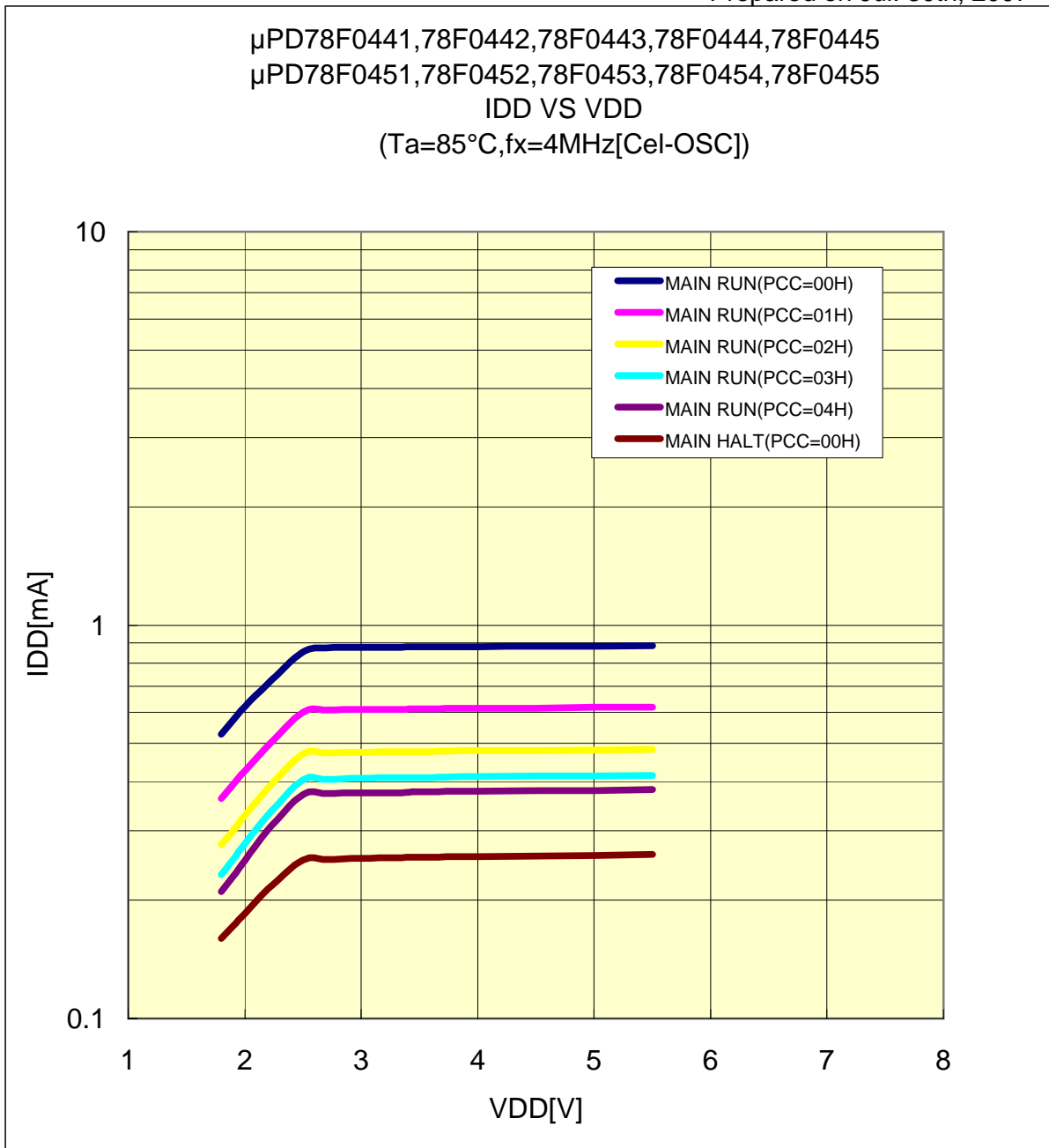


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

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78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/4MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

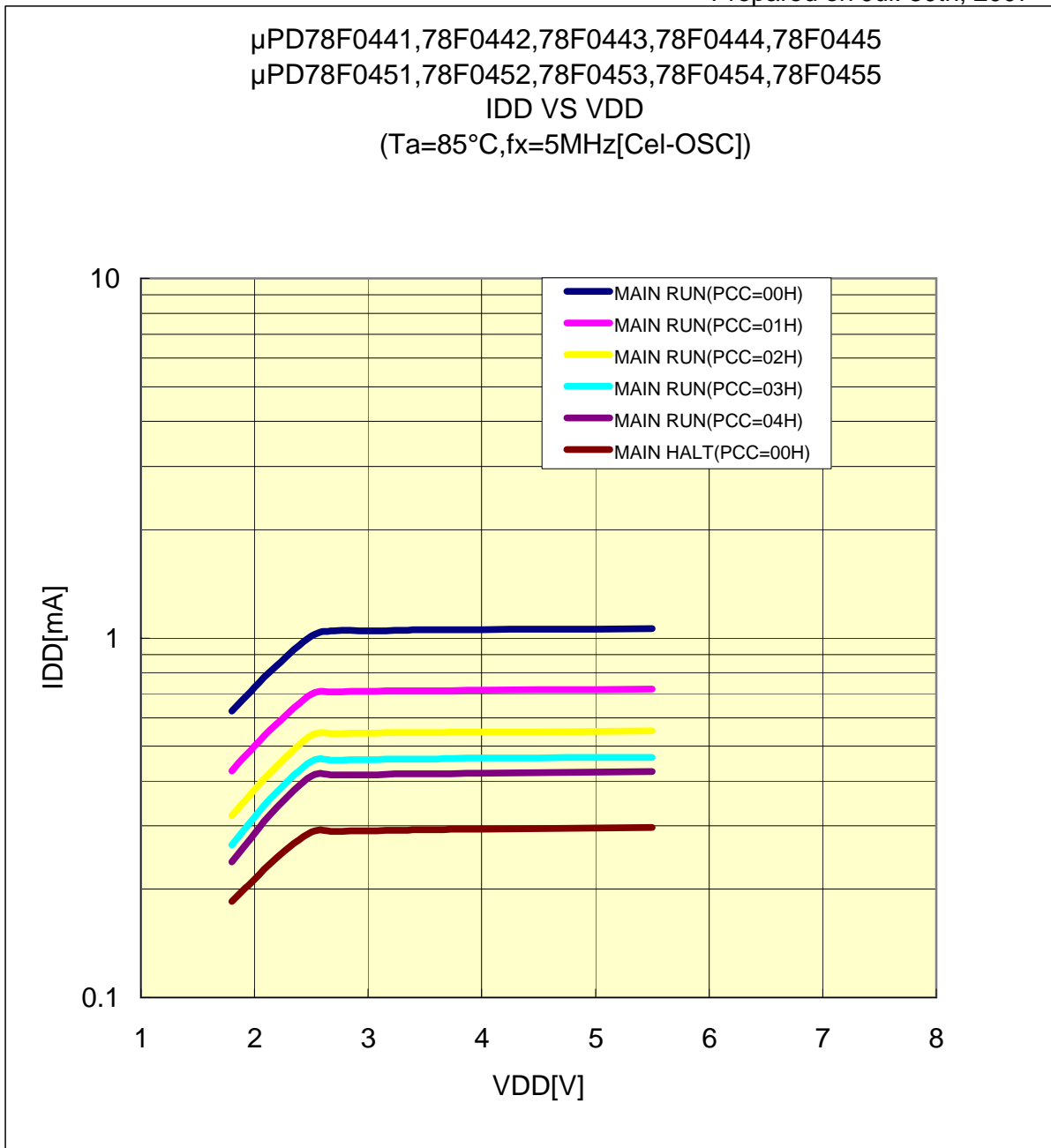


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/5MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

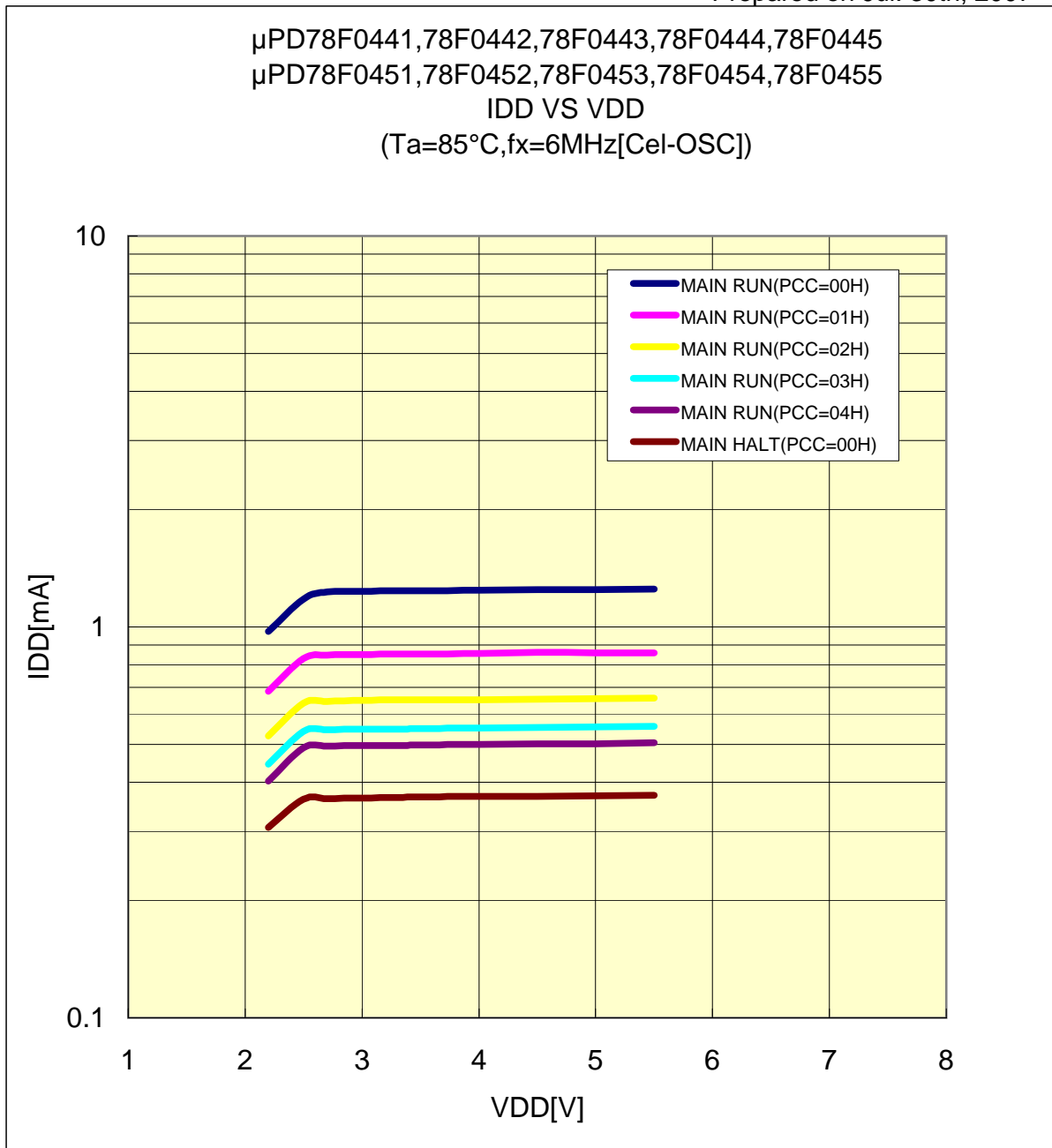


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

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78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/6MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

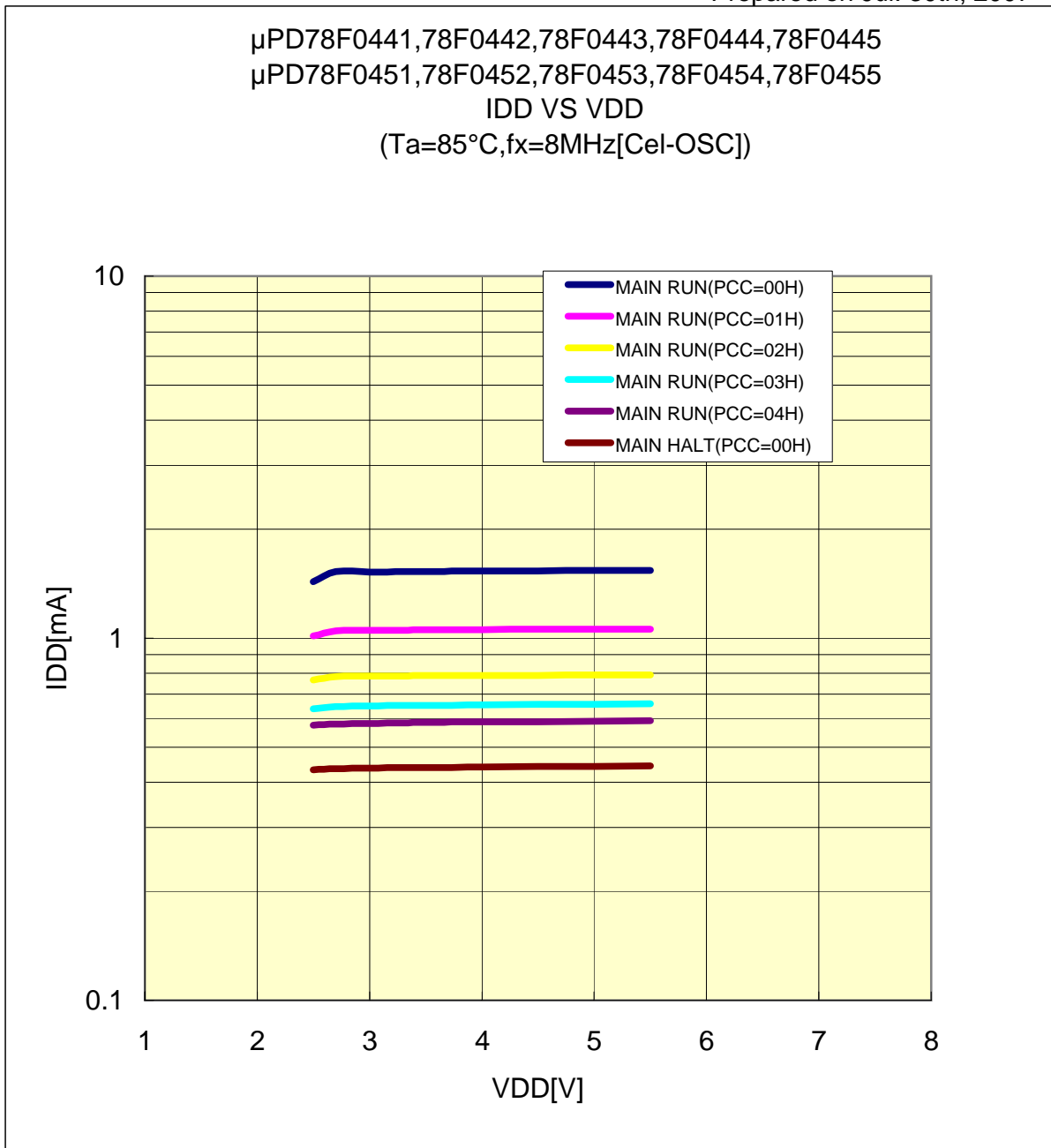


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

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78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/8MHz[Cel-OSC])

Prepared on Jul. 30th, 2007

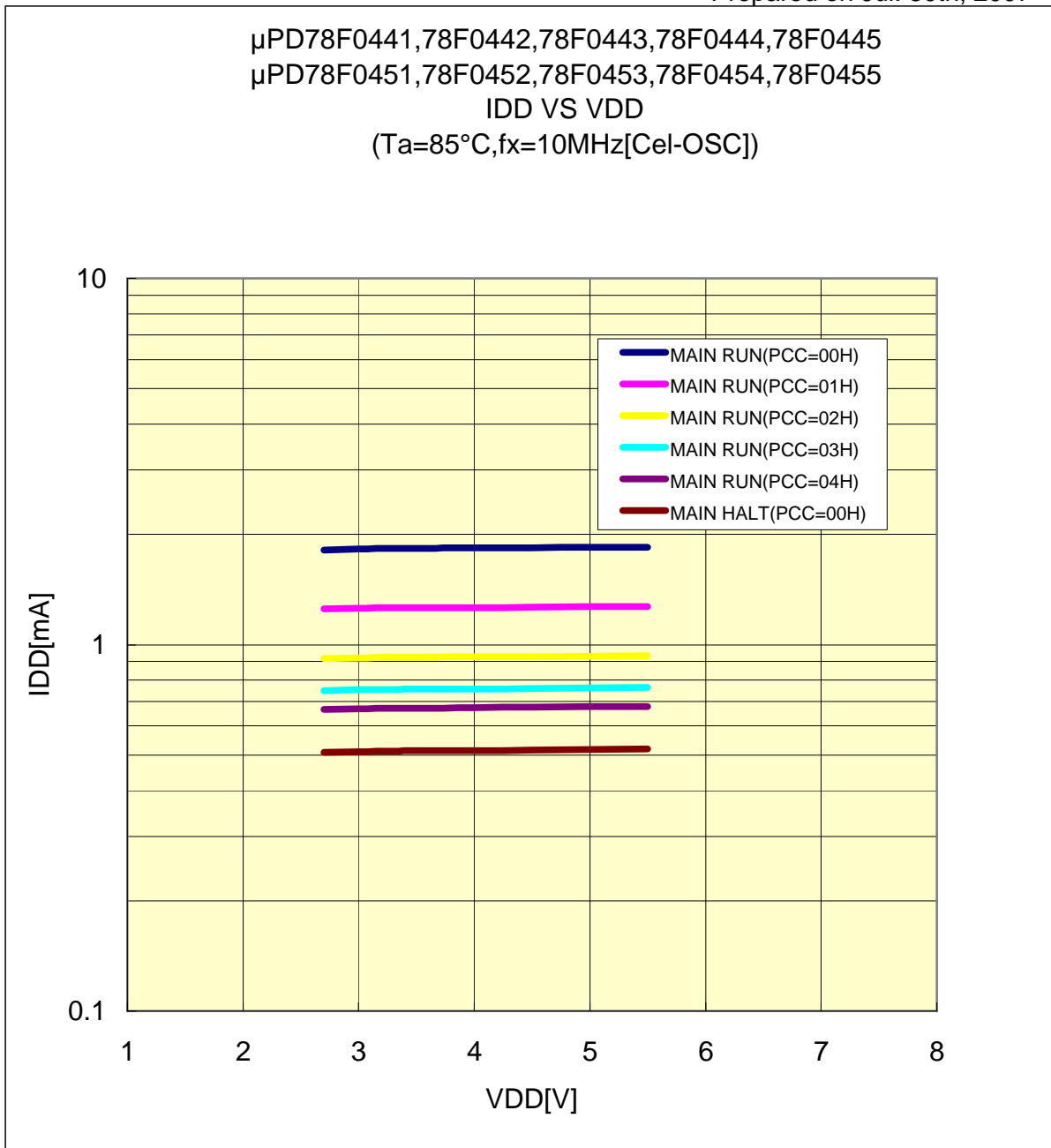


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/10MHz[CeI-OSC])

Prepared on Jul. 30th, 2007

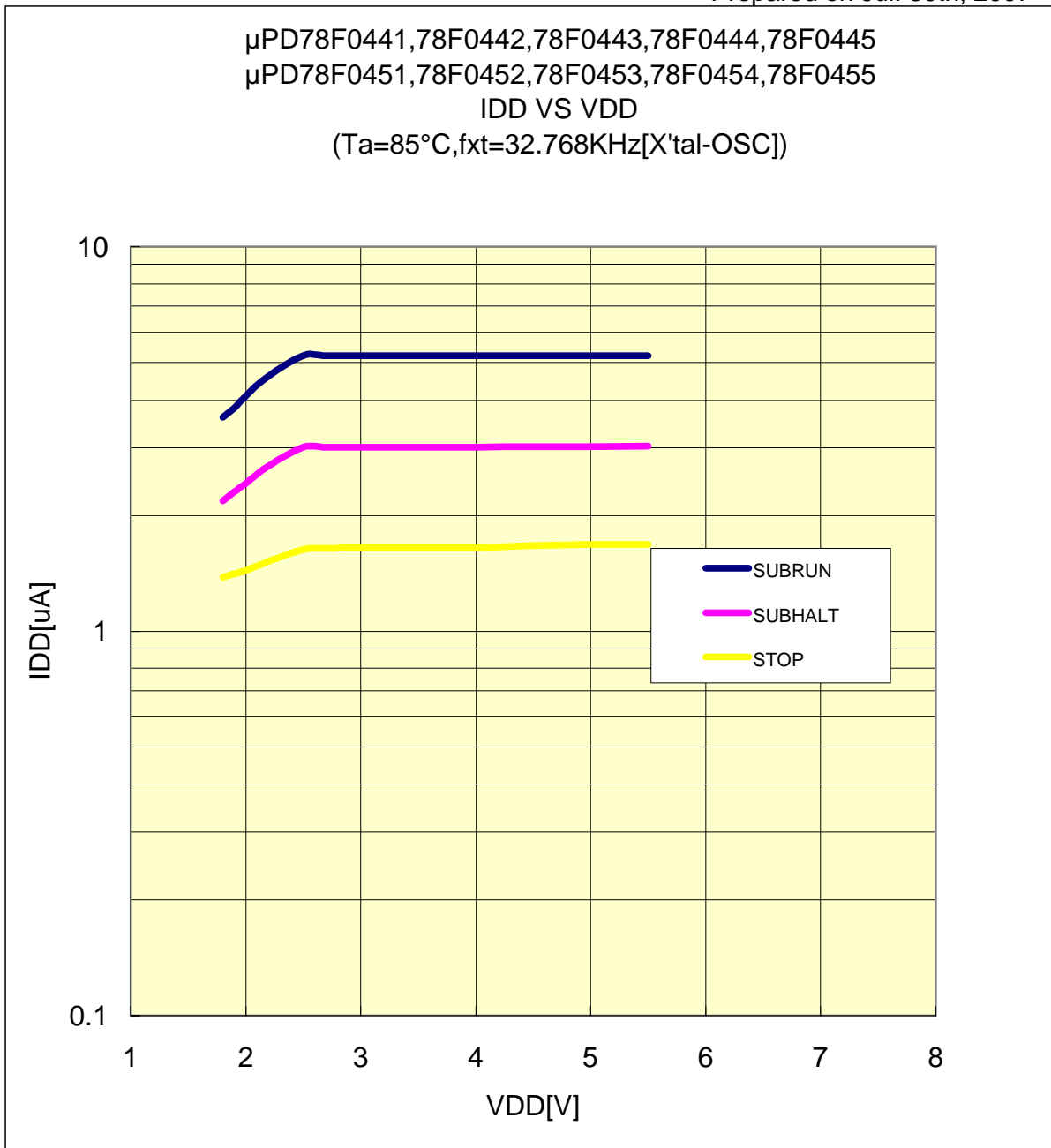


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455

IDD VS VDD(85°C/32.768KHz[X'tal-OSC])

Prepared on Jul. 30th, 2007

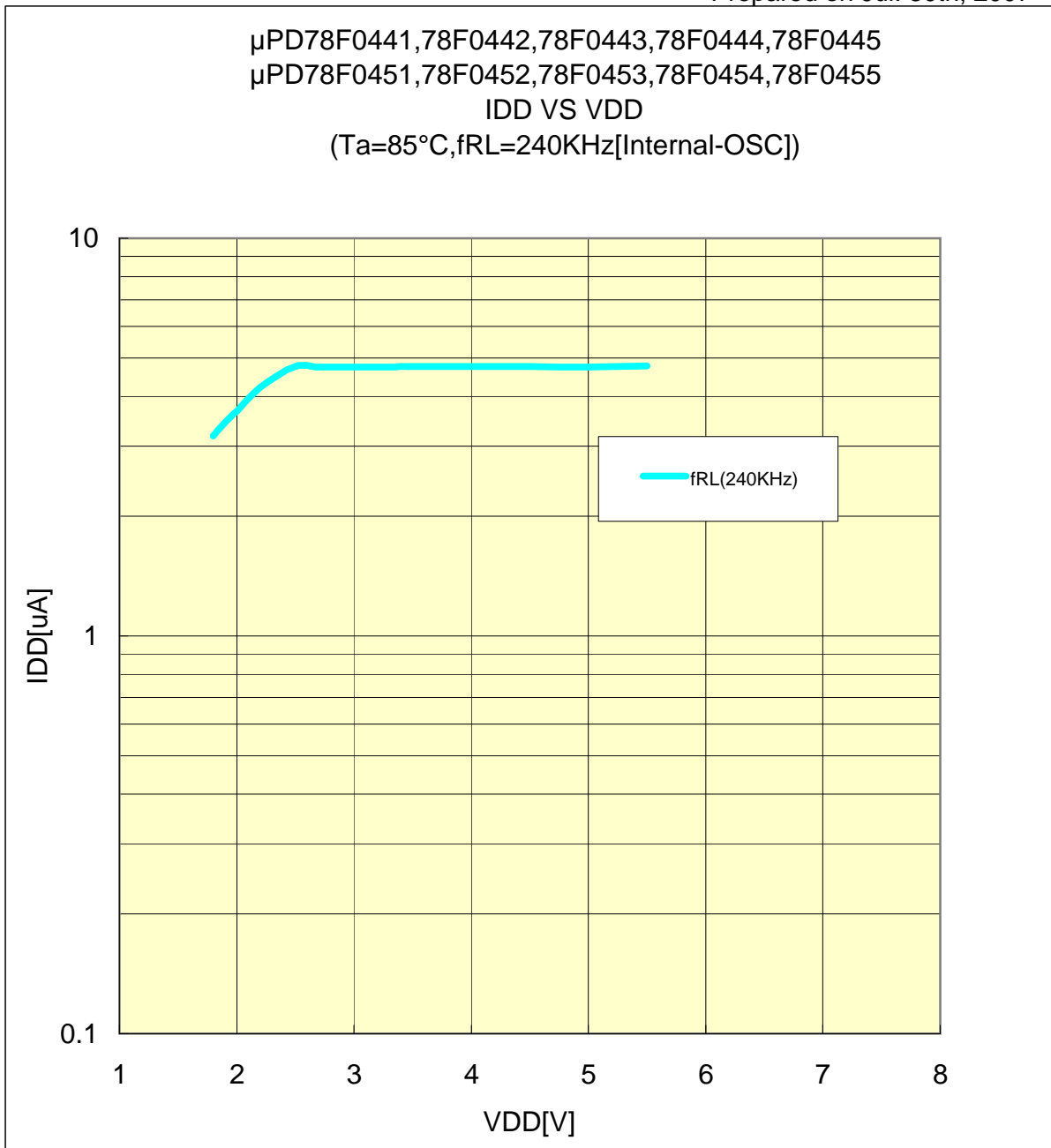


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(85°C/240KHz[Internal-OSC])

Prepared on Jul. 30th, 2007

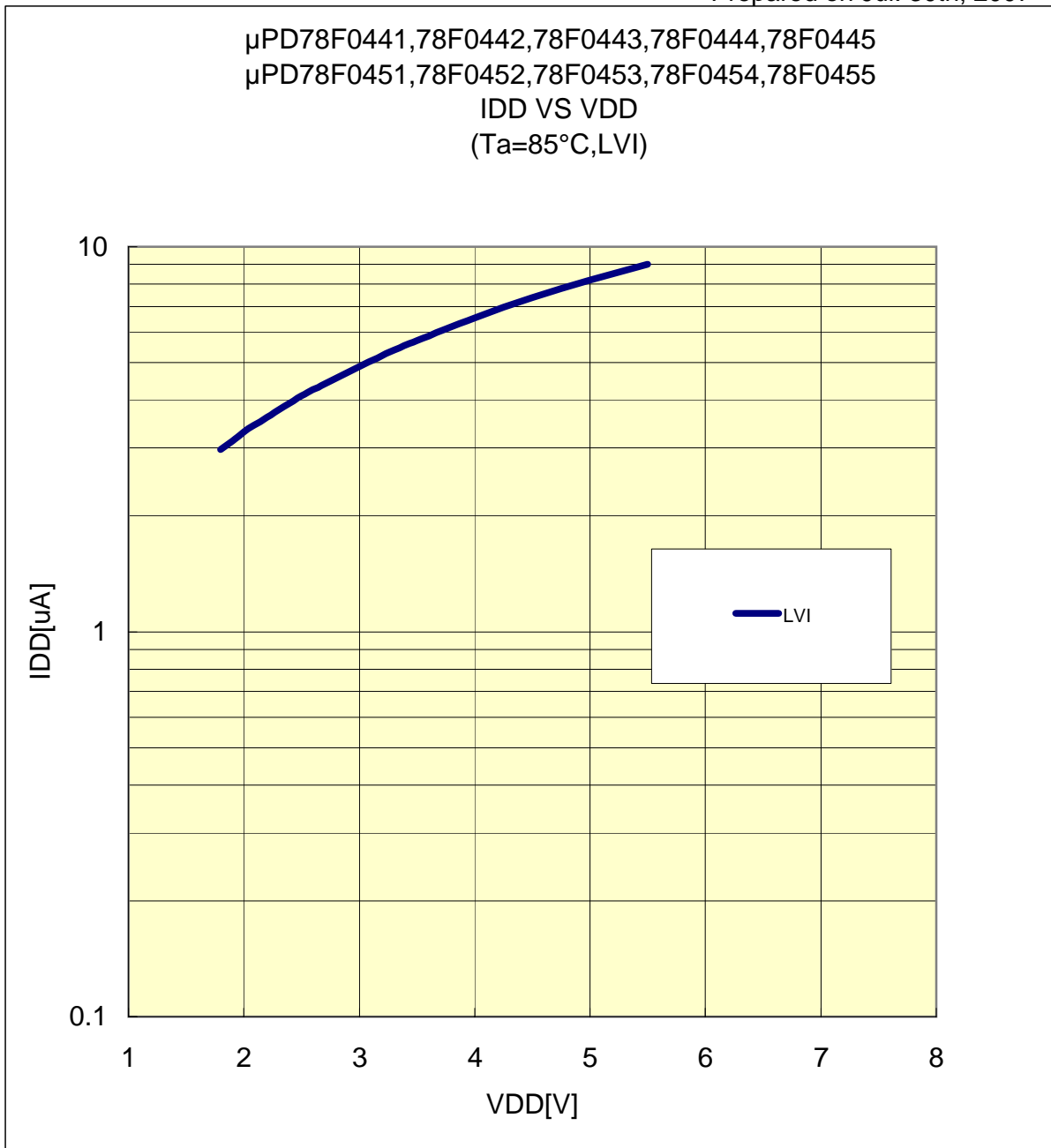


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

**μPD78F0441,78F0442,78F0443,78F0444,78F0445,
78F0451,78F0452,78F0453,78F0454,78F0455**

IDD VS VDD(85°C/LVI)

Prepared on Jul. 30th, 2007



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