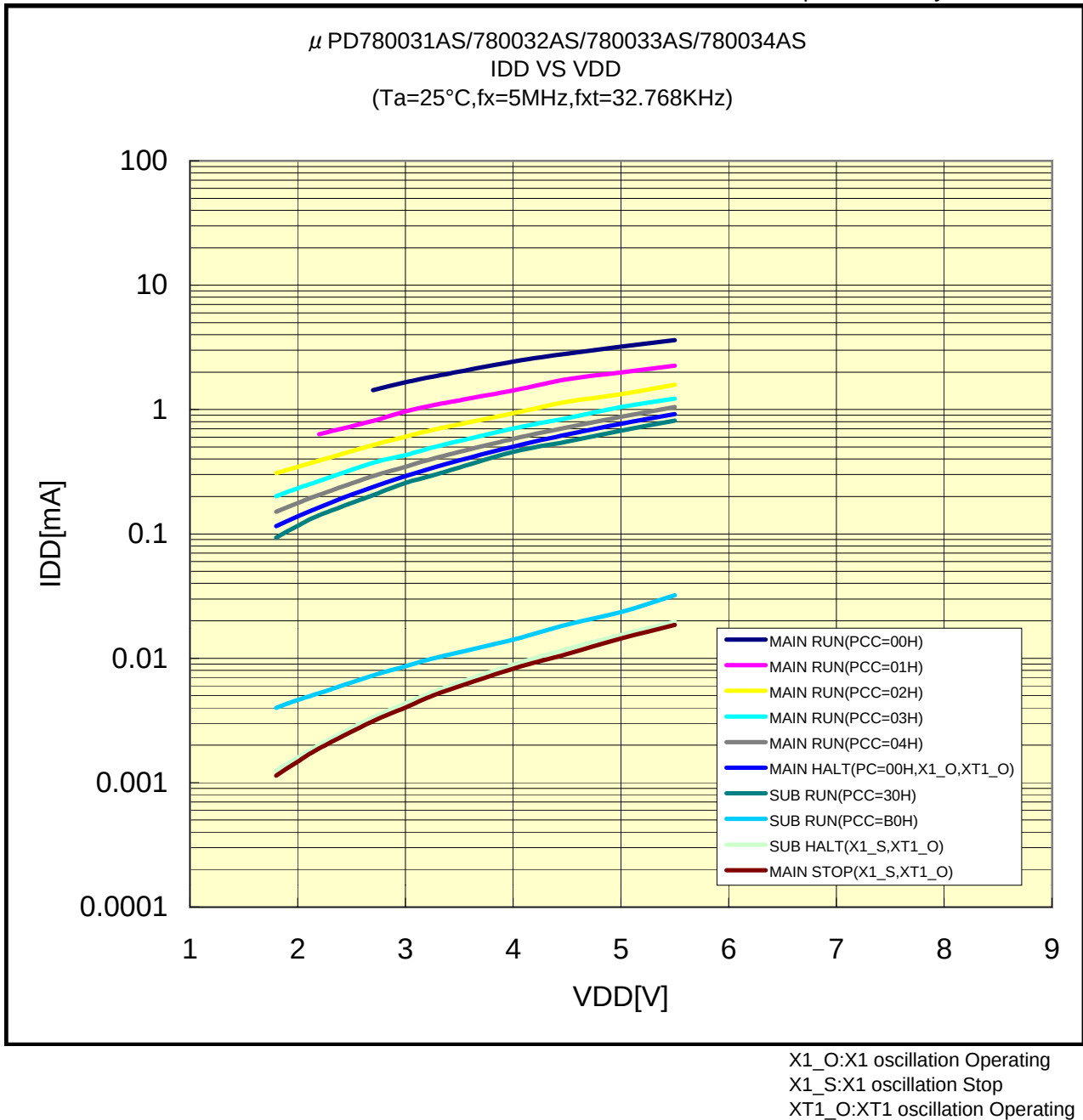


IDD VS VDD(25°C/5MHz)

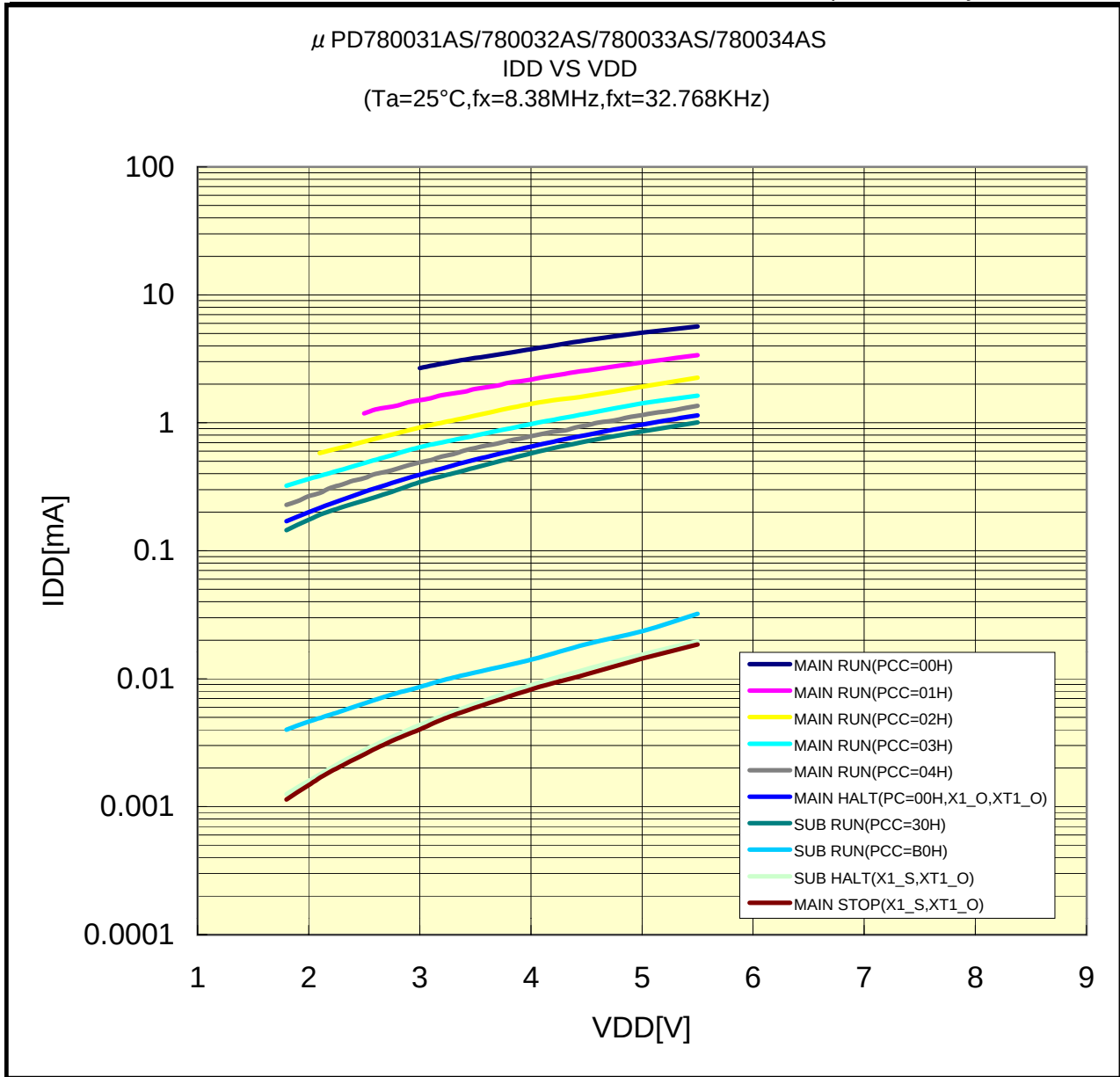
Prepared on July. 30th, 2003



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

IDD VS VDD(25°C/8.38MHz)

Prepared on July. 30th, 2003



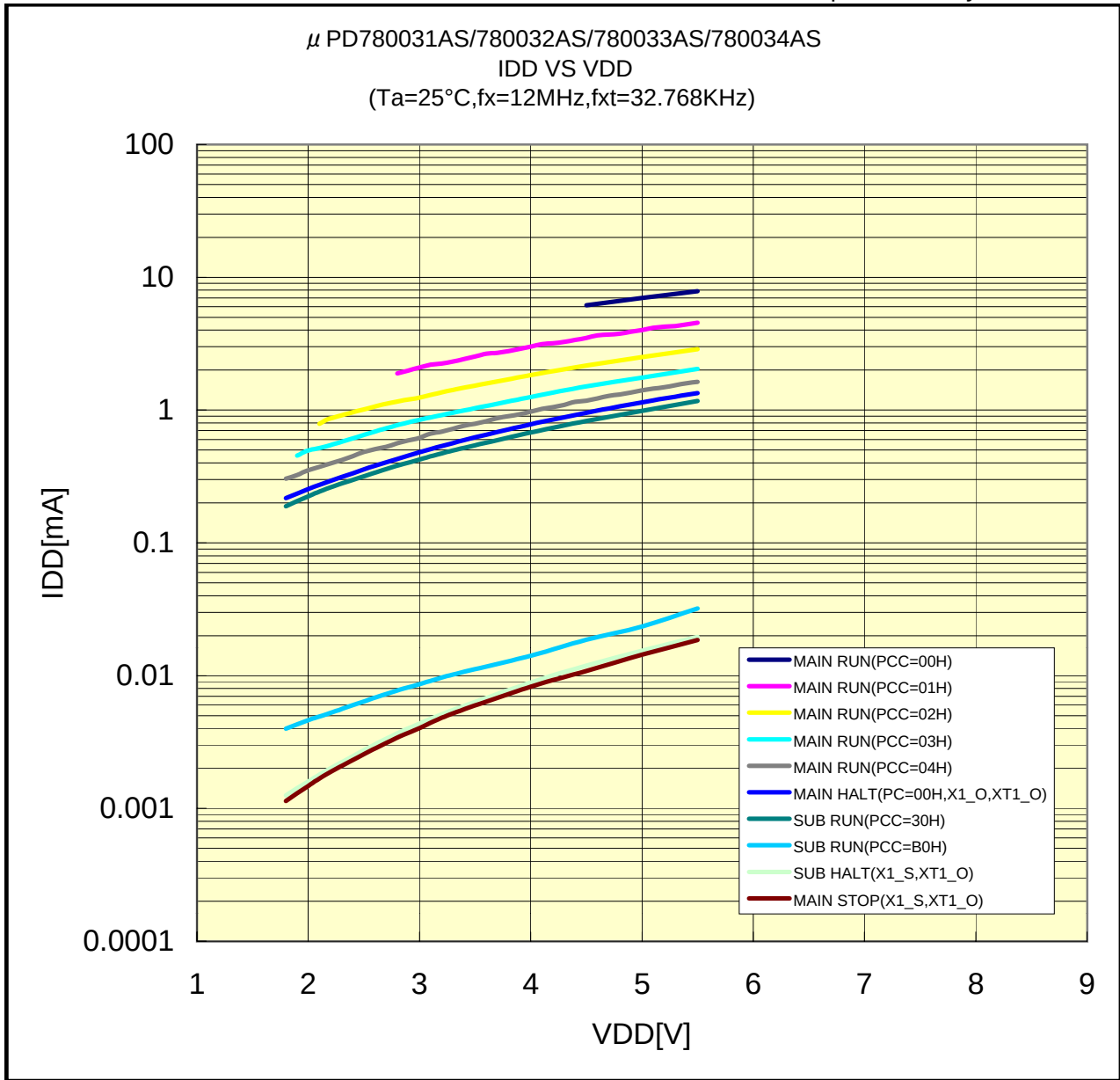
X1_O:X1 oscillation Operating
X1_S:X1 oscillation Stop
XT1_O:XT1 oscillation Operating

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

μPD780031AS/780032AS/780033AS/780034AS/

IDD VS VDD(25°C/12MHz)

Prepared on July. 30th, 2003



X1_O:X1 oscillation Operating
X1_S:X1 oscillation Stop
XT1_O:XT1 oscillation Operating

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