

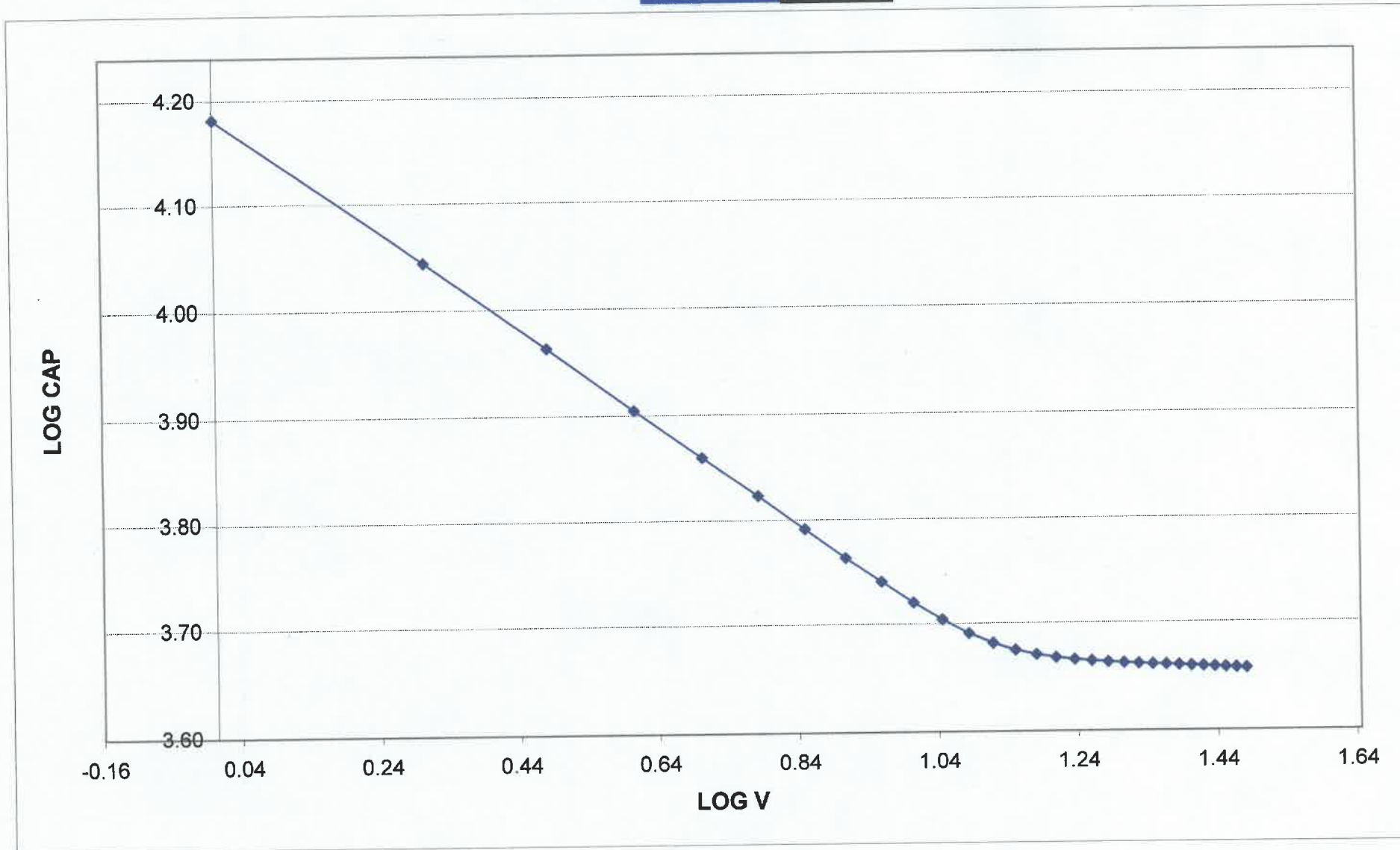
# Depletion Plot



Wafer No.: **3188-5**

Thickness: **55 um**

Depletion: **20 Volts**



# Resolution Plot

DESIGN W1-50 TYPE 9G

Wafer No.: **3188-5**

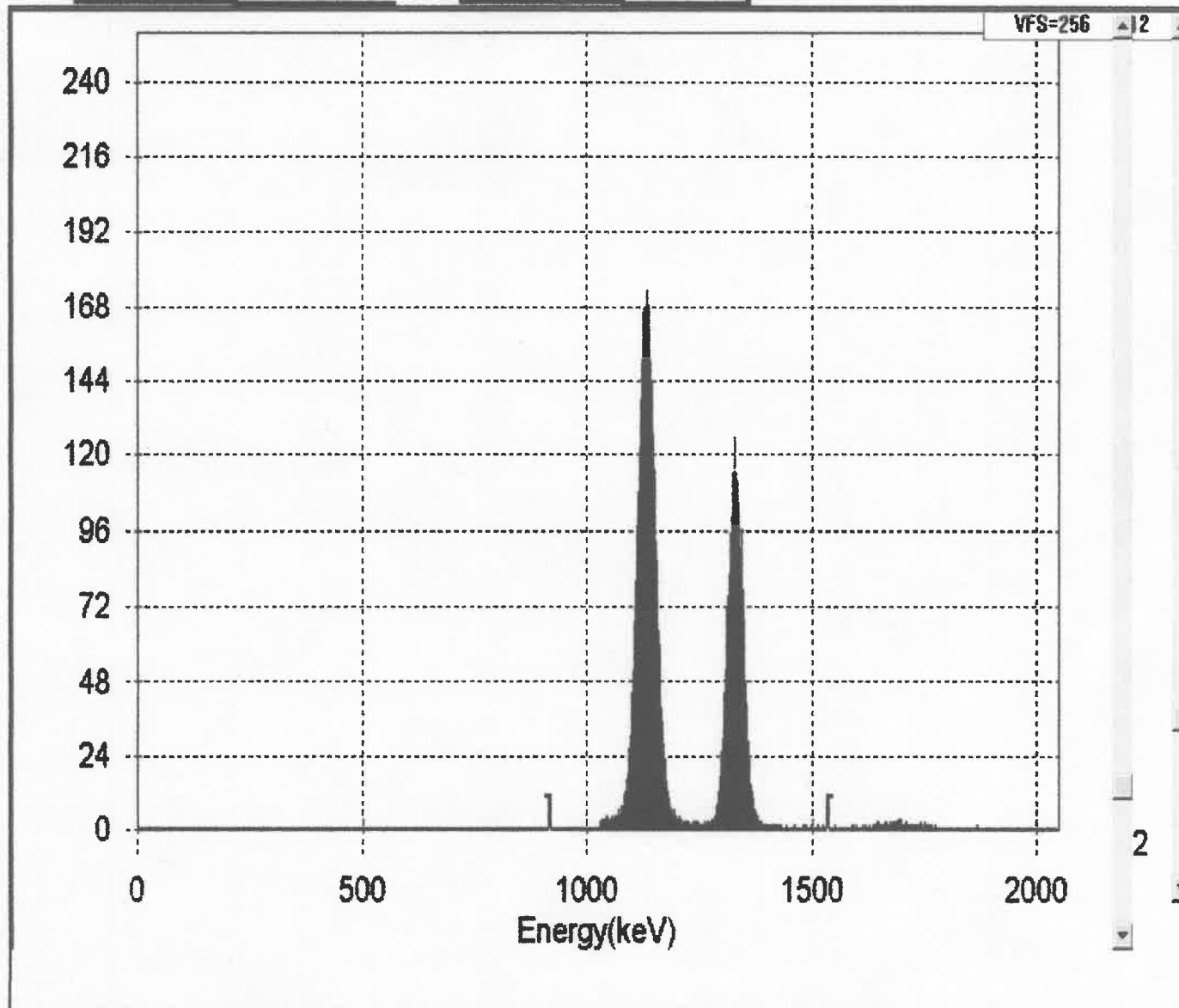
Thickness: **55** um

## JUNCTION

DET LINE: **171** KeV  
SYSTEM: **140** KeV  
CAL: **98** KeV

## OHMIC

DET LINE: **188** KeV  
SYSTEM: **140** KeV  
CALC: **125** KeV



Source

**Am 241**

Rise Time

**1.0**

Flat Top

**0**

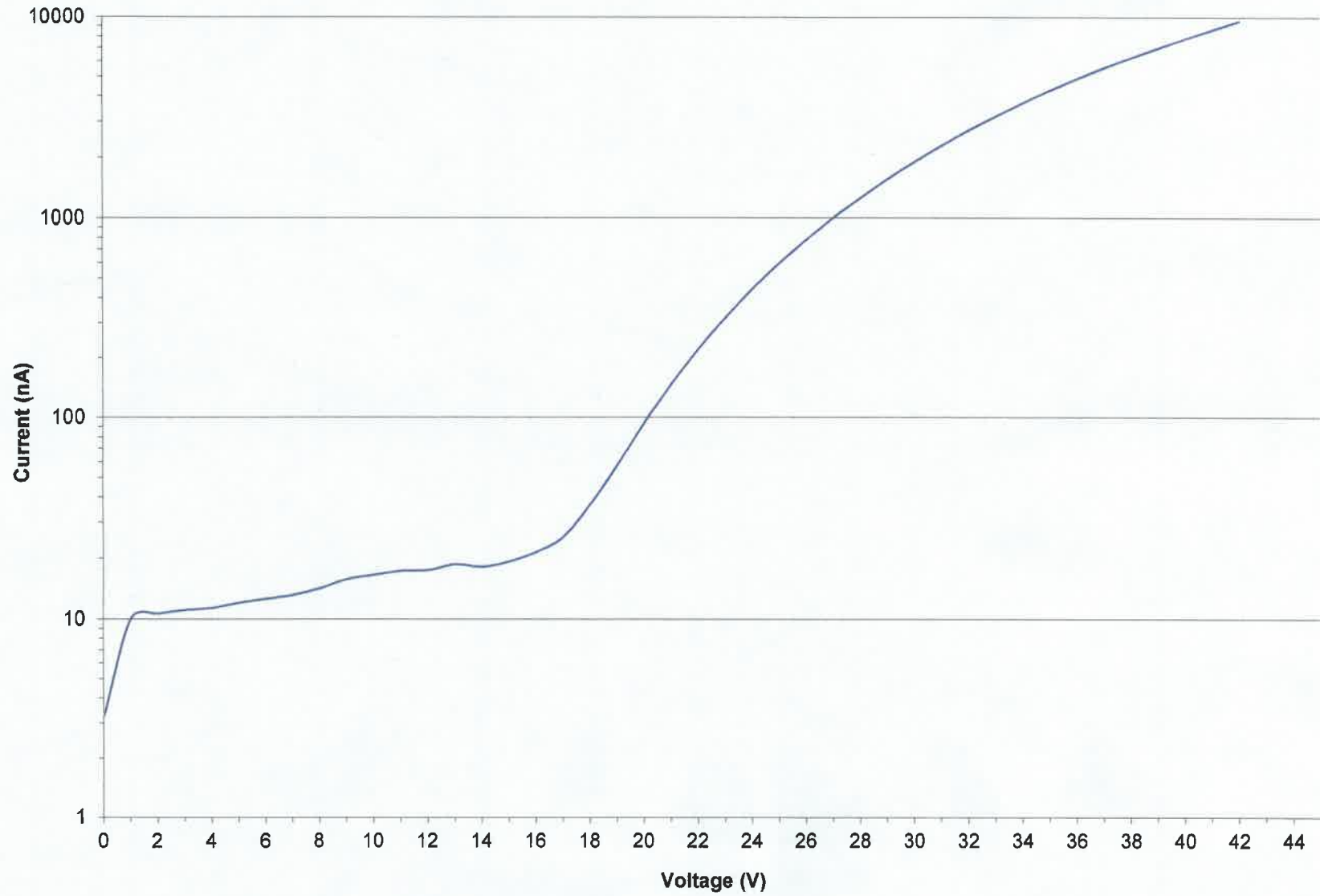
T=22.1DC

BIAS VOLTS= **20** V

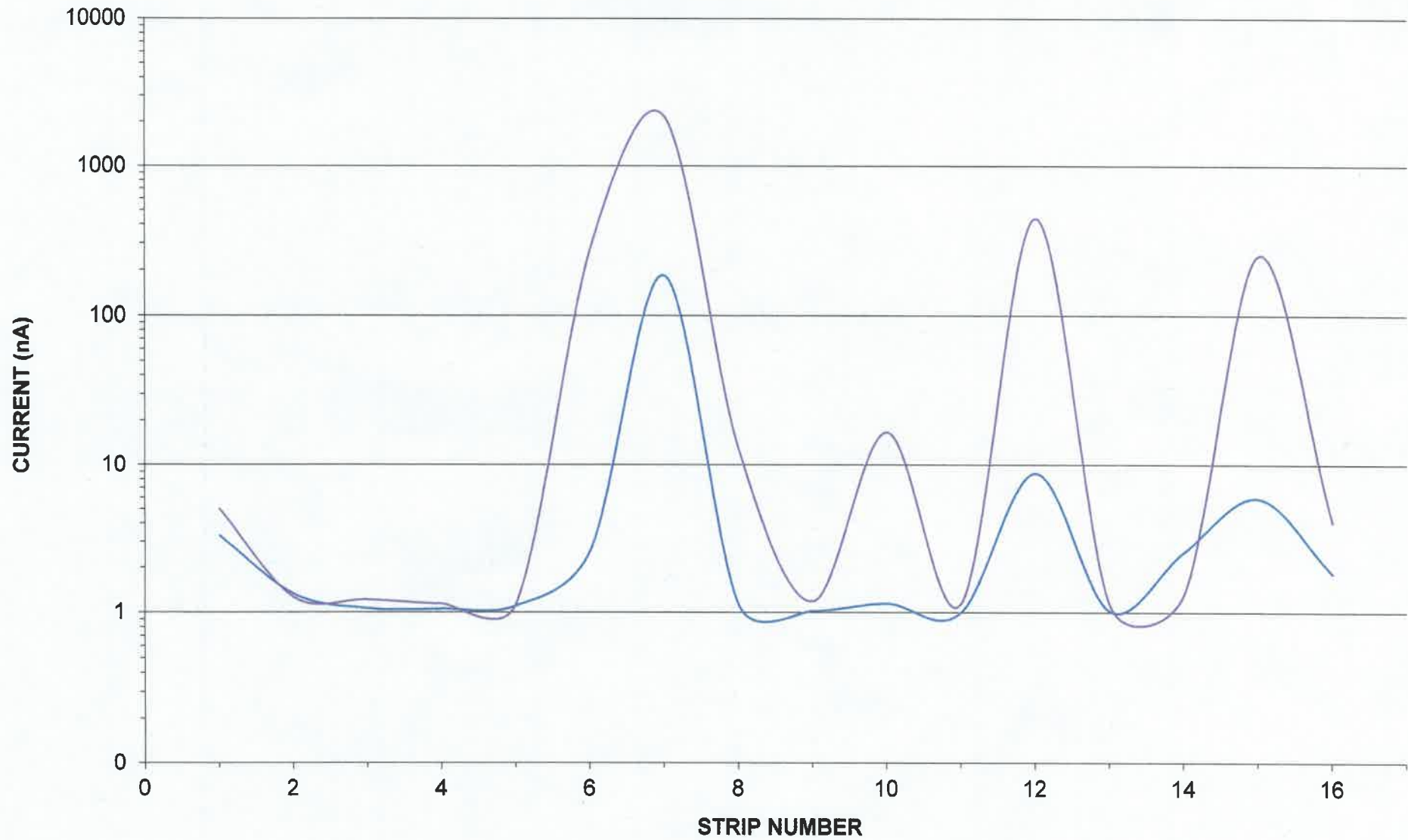
Leakage **30** nA

Micron Semiconductor  
22/10/2015

**Design-W D/S**  
**3188-5 TOTAL DETECTOR IV**  
**Dep=22V Thickness=55um**

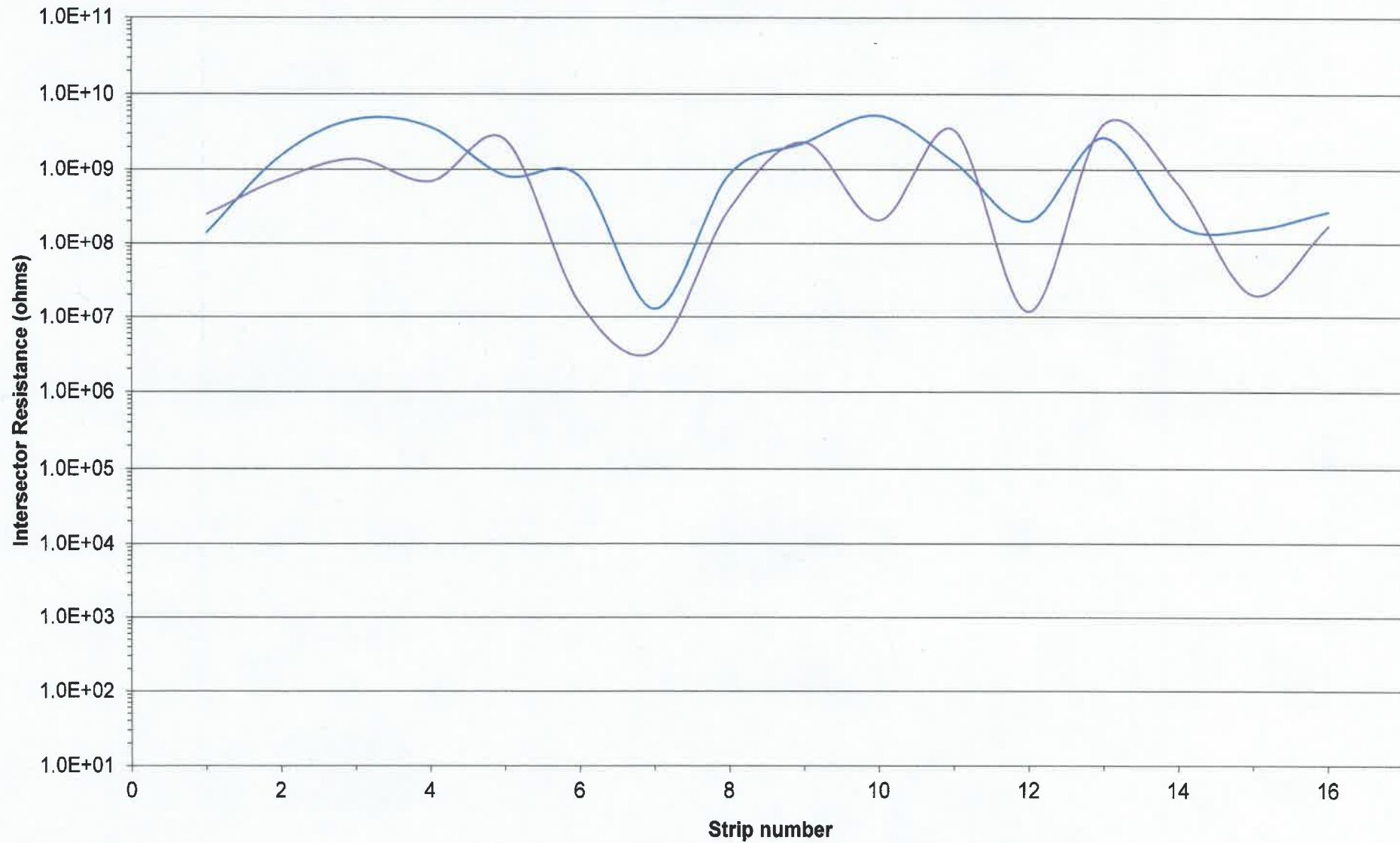


**Design-W N-TYPE**  
**3188-5 Junction side Dep=22V Thickness=55um**



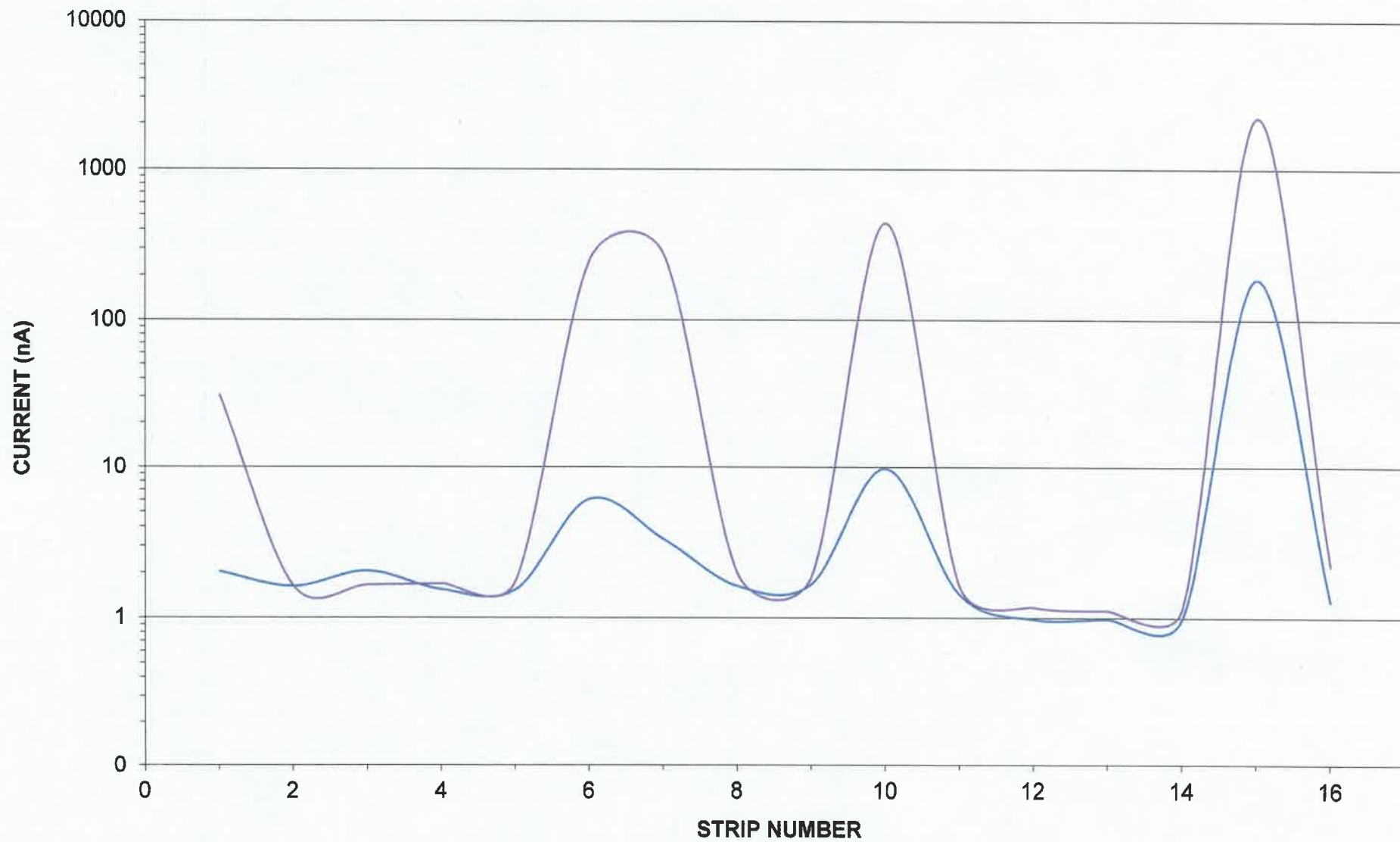
— current @ Dep      — current @ Dep+50%

Design-W N-TYPE  
3188-5 Junction side Dep=22V Thickness=55um



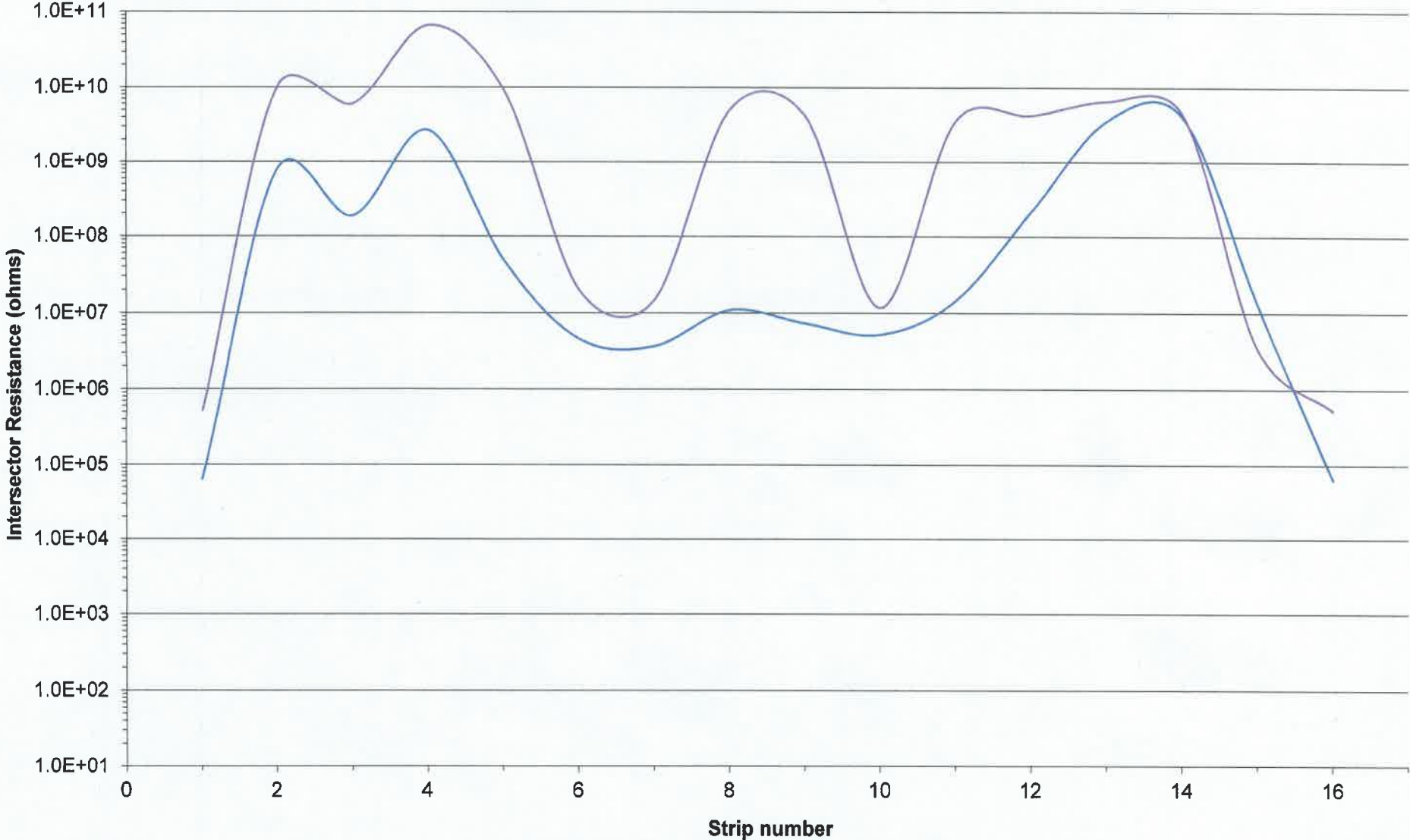
— Inter @ Dep      — Inter @ Dep+50%

Design-W N-TYPE  
3188-5 Ohmic side Dep=22V Thickness=55um



— current @ Dep      — current @ Dep+50%

**Design-W N-TYPE**  
**3188-5 Ohmic side Dep=22V Thickness=55um**



— Inter @ Dep      — Inter @ Dep+50%