

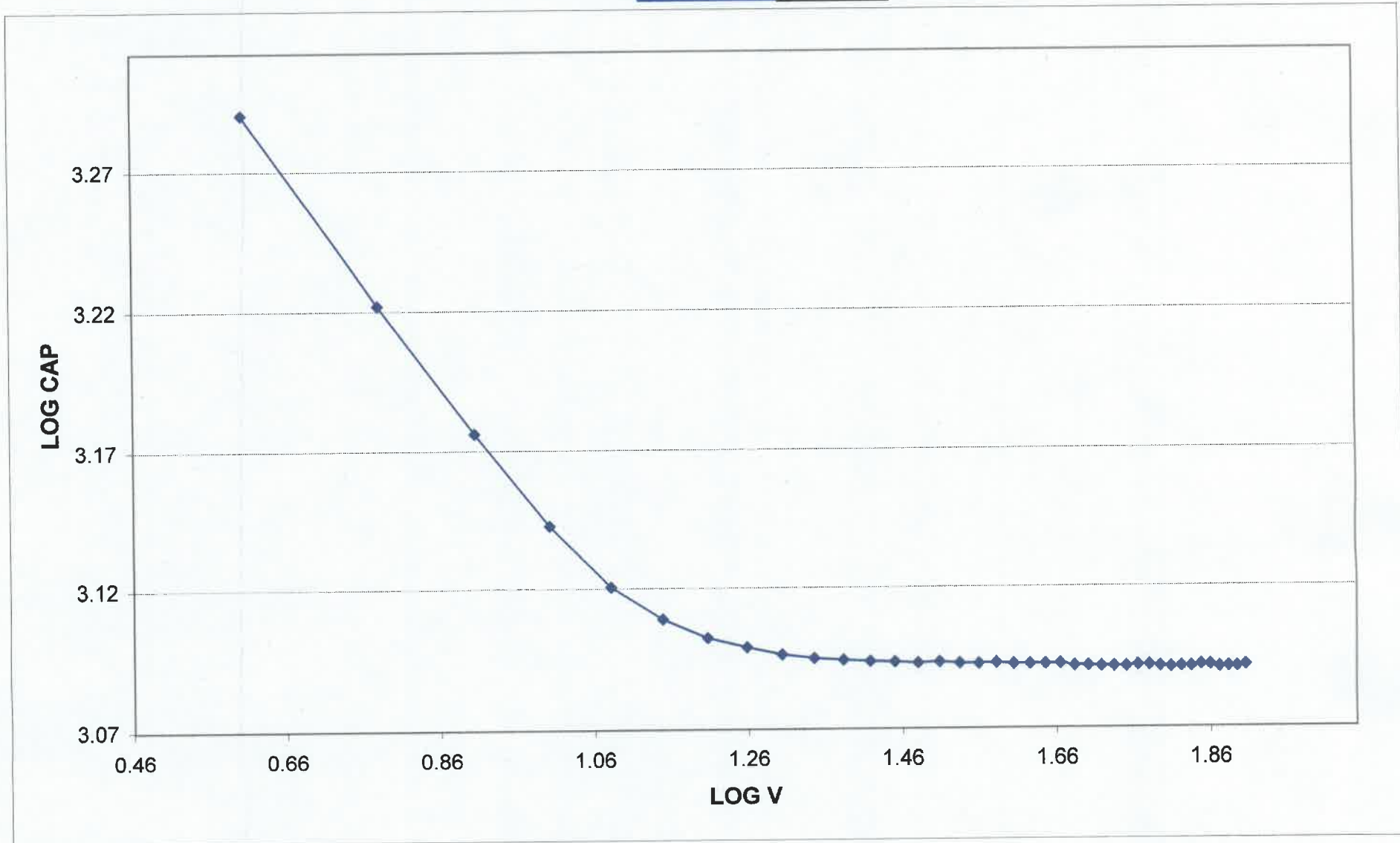
# Depletion Plot

Design-W\_300

Wafer No.: 3102-13

Thickness: 296  $\mu\text{m}$

Depletion: 45 Volts



# Resolution Plot

DESIGN W1-300 TYPE 9G

Wafer No.: **3102-13**

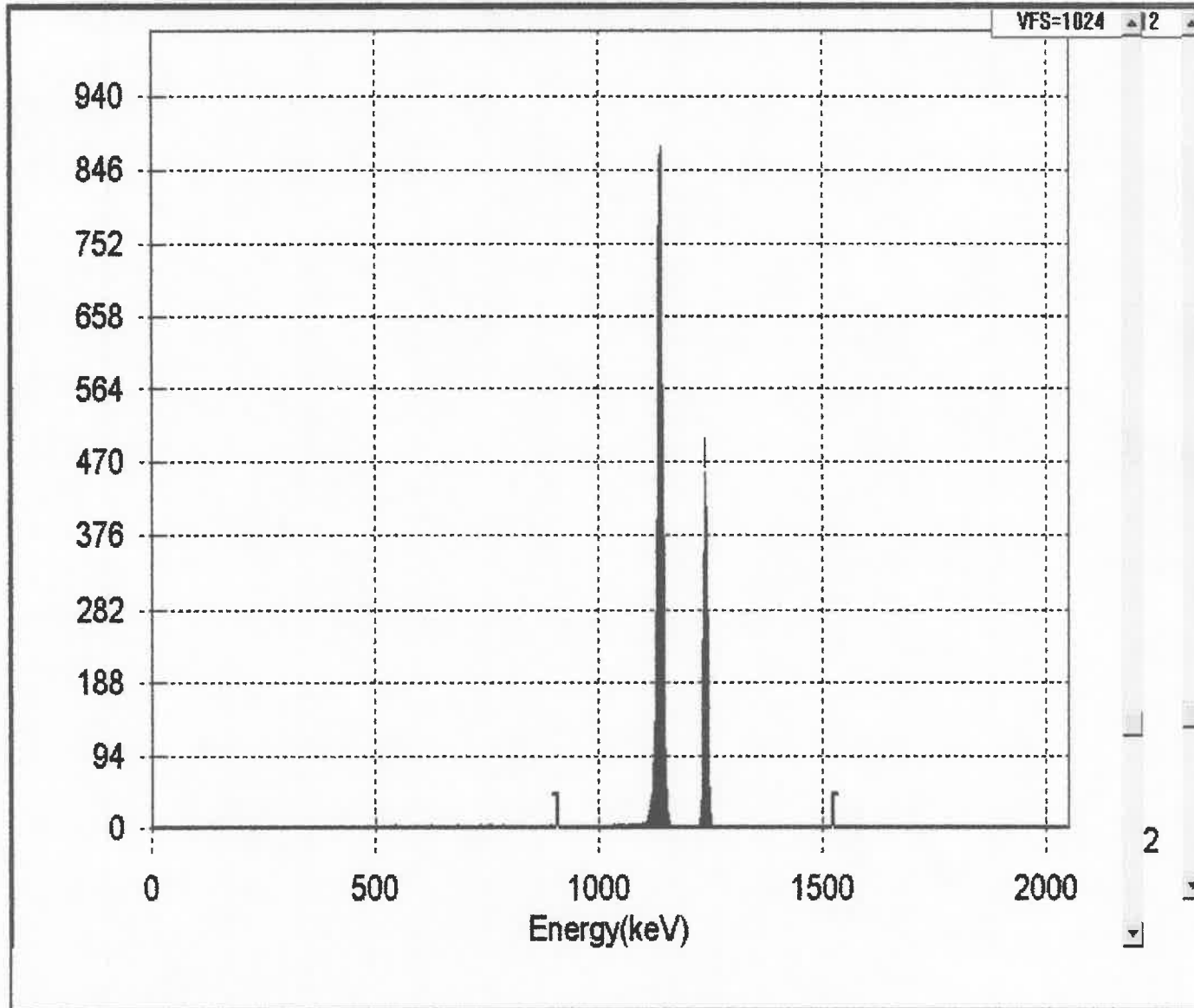
Thickness: **296** um

## JUNCTION

DET LINE: **48.9** KeV  
SYSTEM: **38.9** KeV  
CAL: **29.6** KeV

## OHMIC

DET LINE: **54.8** KeV  
SYSTEM: **38.8** KeV  
CALC: **38.7** KeV



Source  
**Am 241**

Rise Time  
**1**

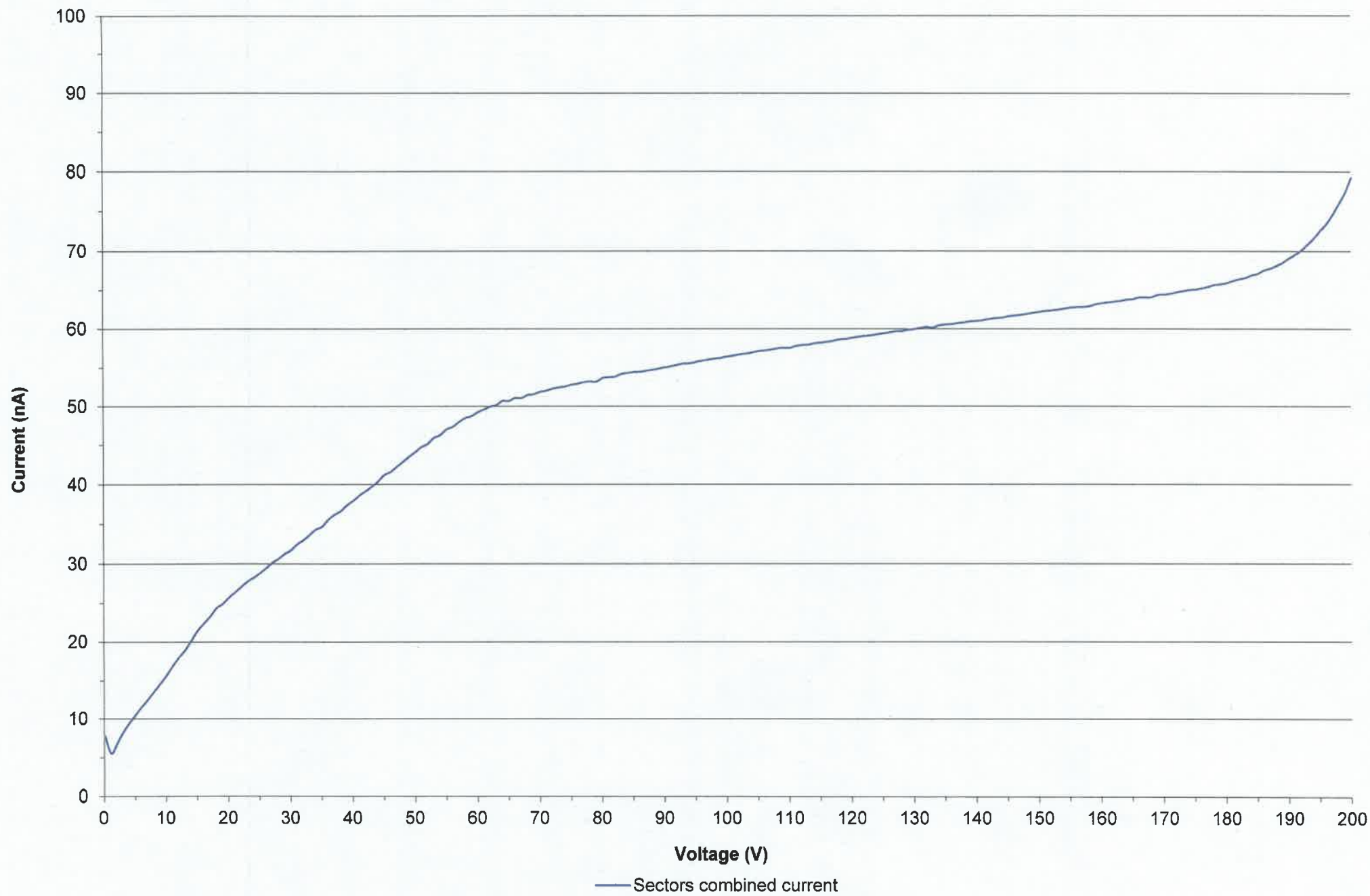
Flat Top  
**0**

T=21.3DC

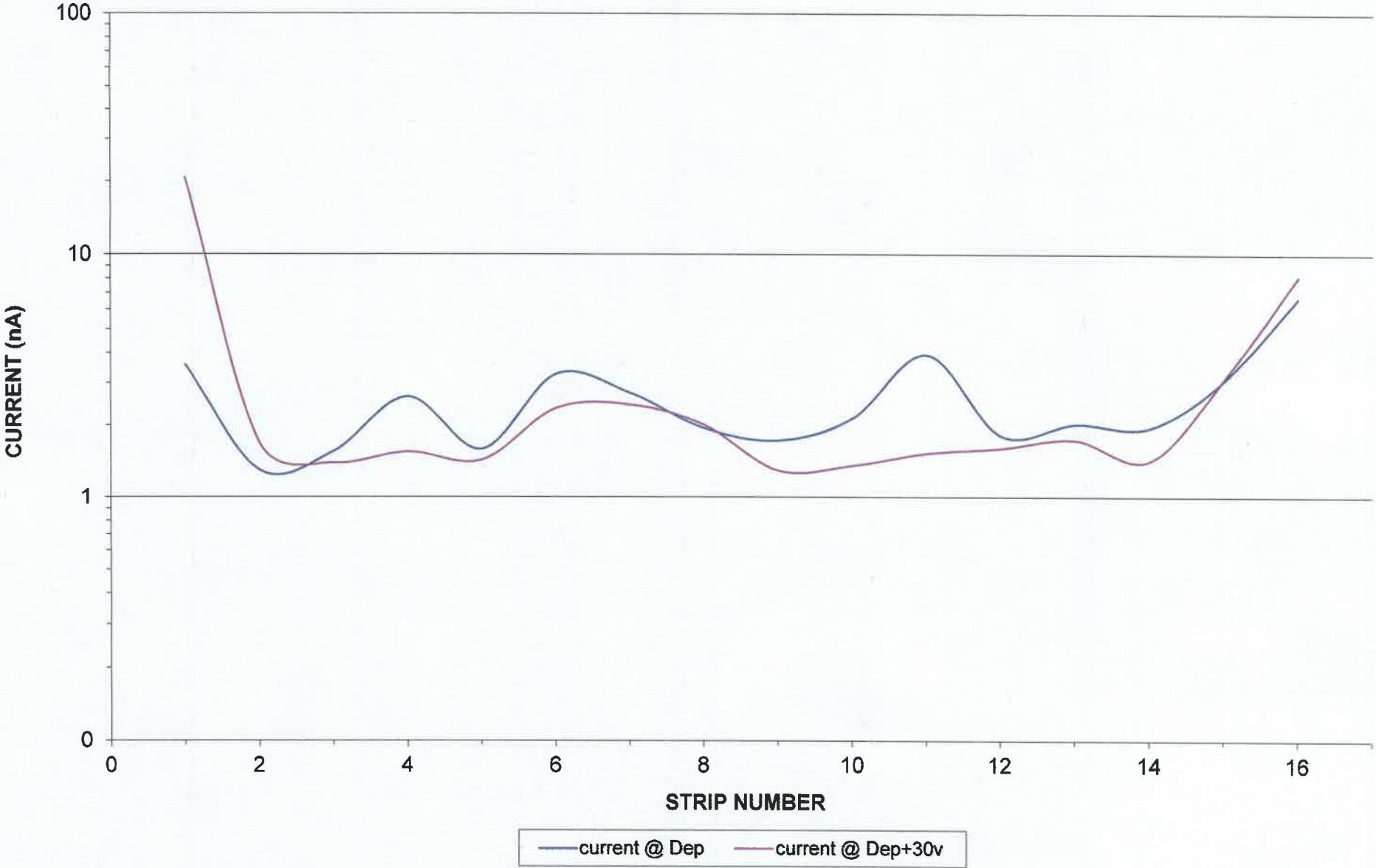
BIAS VOLTS= **80** V

Leakage **56** nA

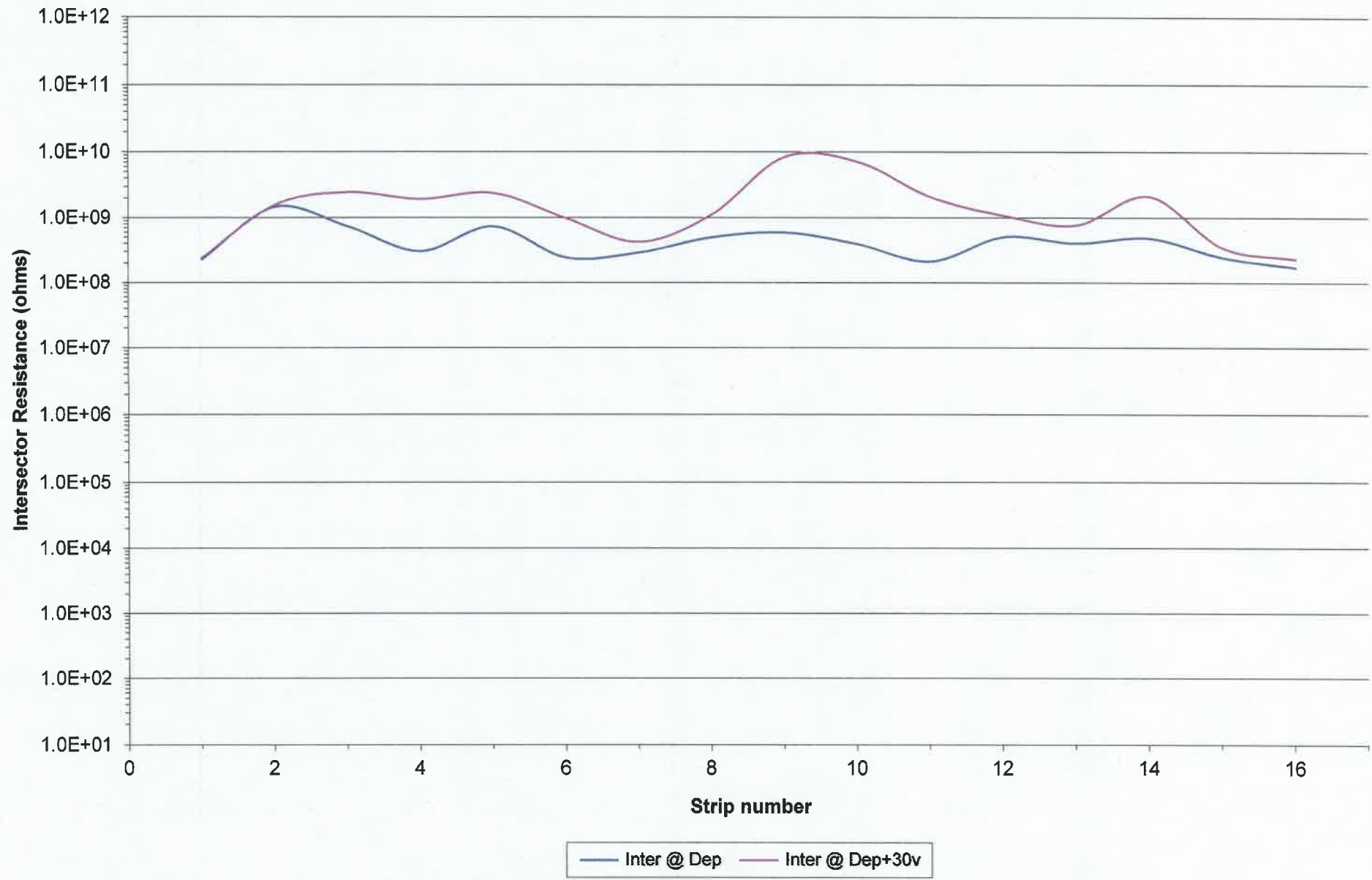
**Design-W\_300 N-TYPE**  
**3102-13 TOTAL DETECTOR IV**  
**Dep=45V Thickness=296um**



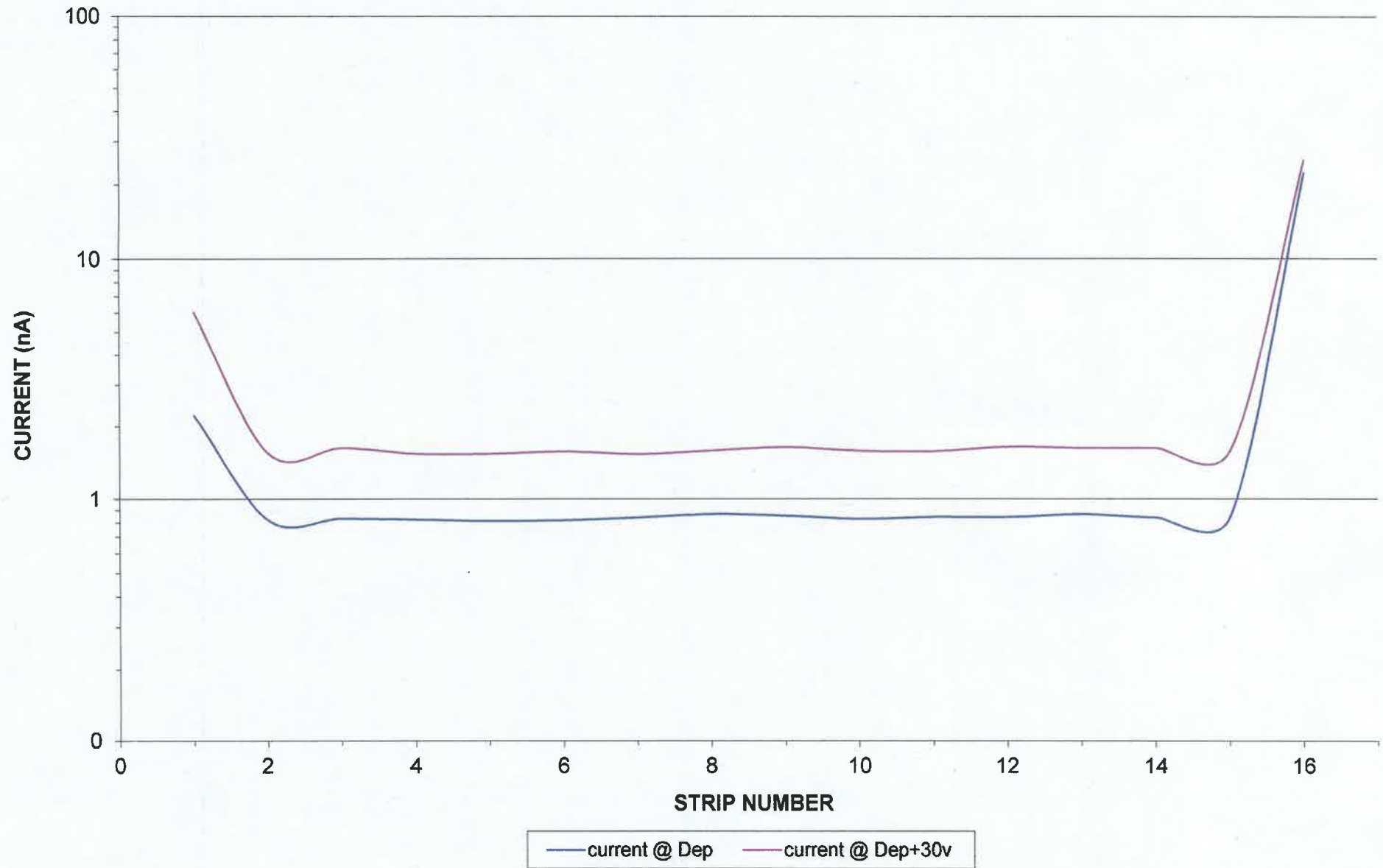
Design-W\_300  
3102-13 Junction side Dep=45V



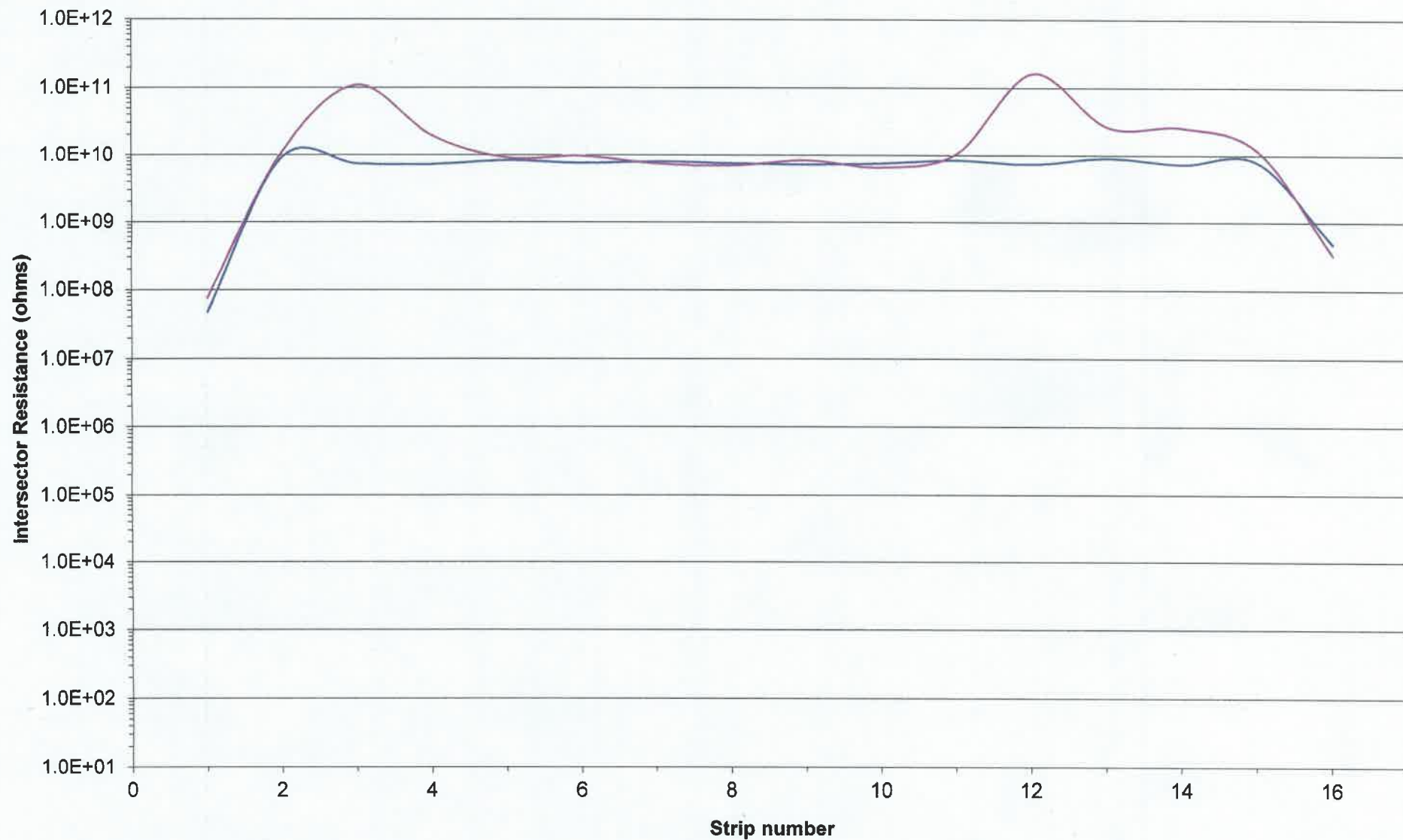
Design-W\_300  
3102-13 Junction side Dep=45V



Design-W\_300  
3102-13 Ohmic side Dep=45V



Design-W\_300  
3102-13 Ohmic side Dep=45V



— Inter @ Dep — Inter @ Dep+30v