

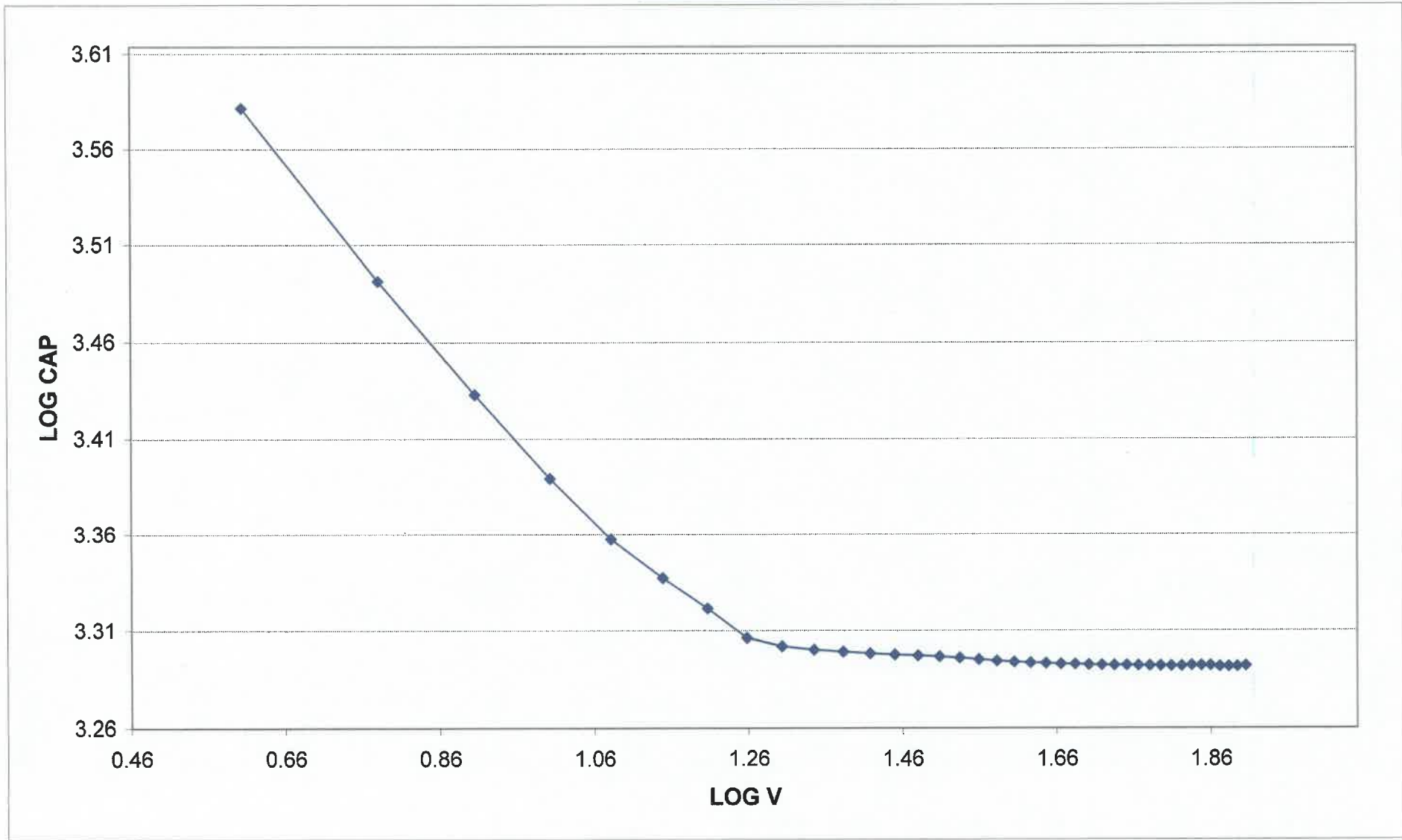
# Depletion Plot

S3-300

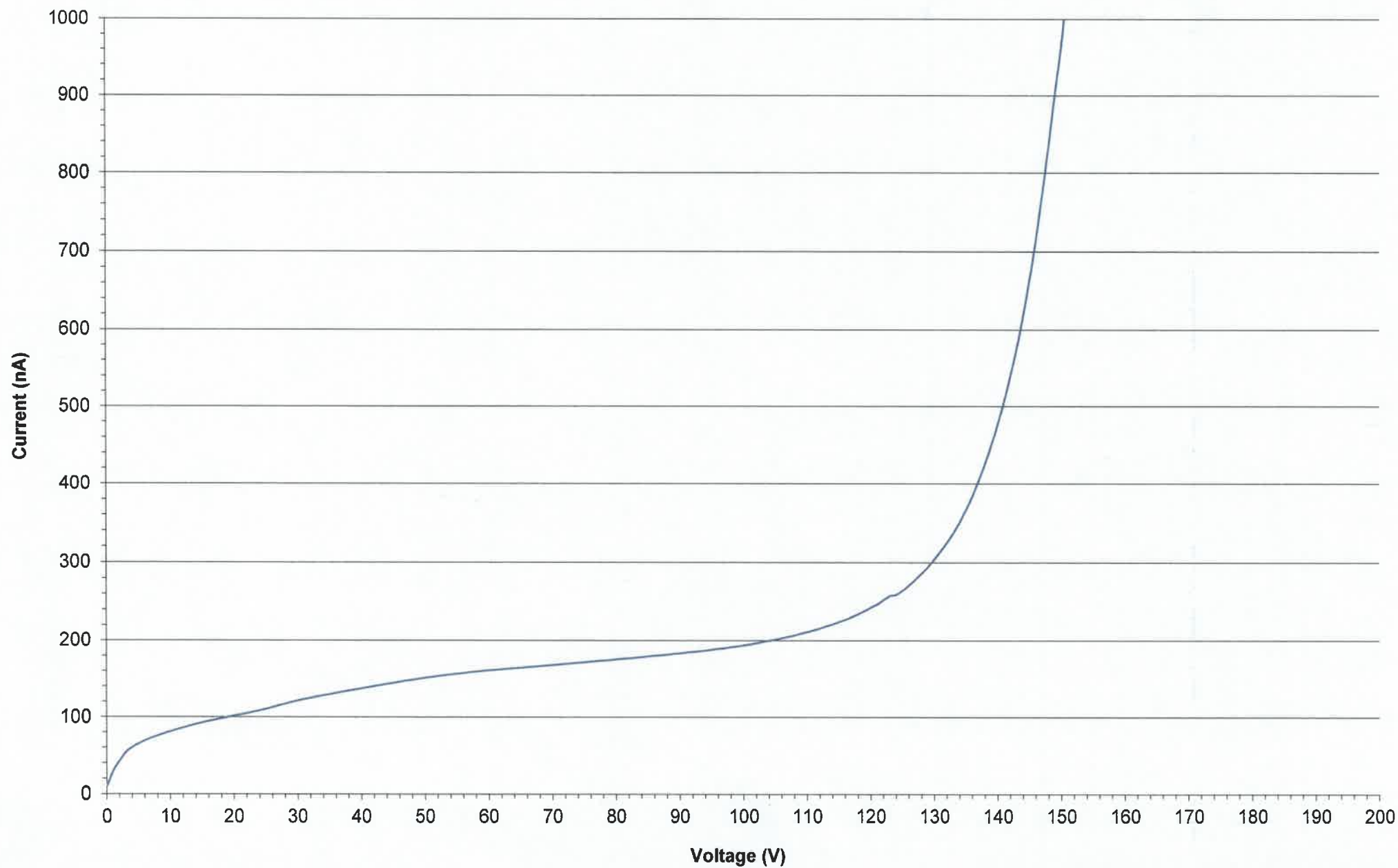
Wafer No.: **3040-2**

Thickness: **322**  $\mu\text{m}$

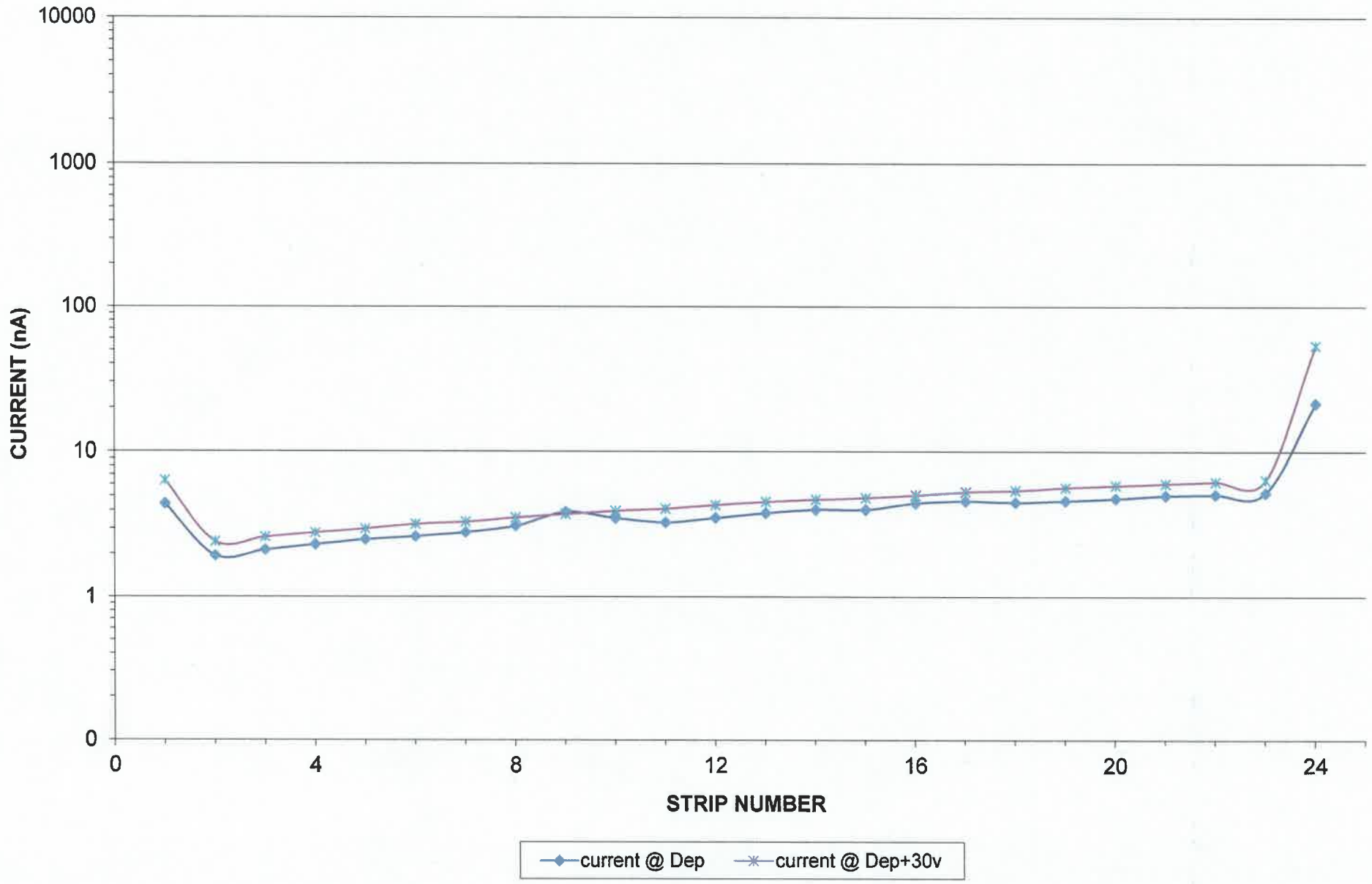
Depletion: **22** Volts



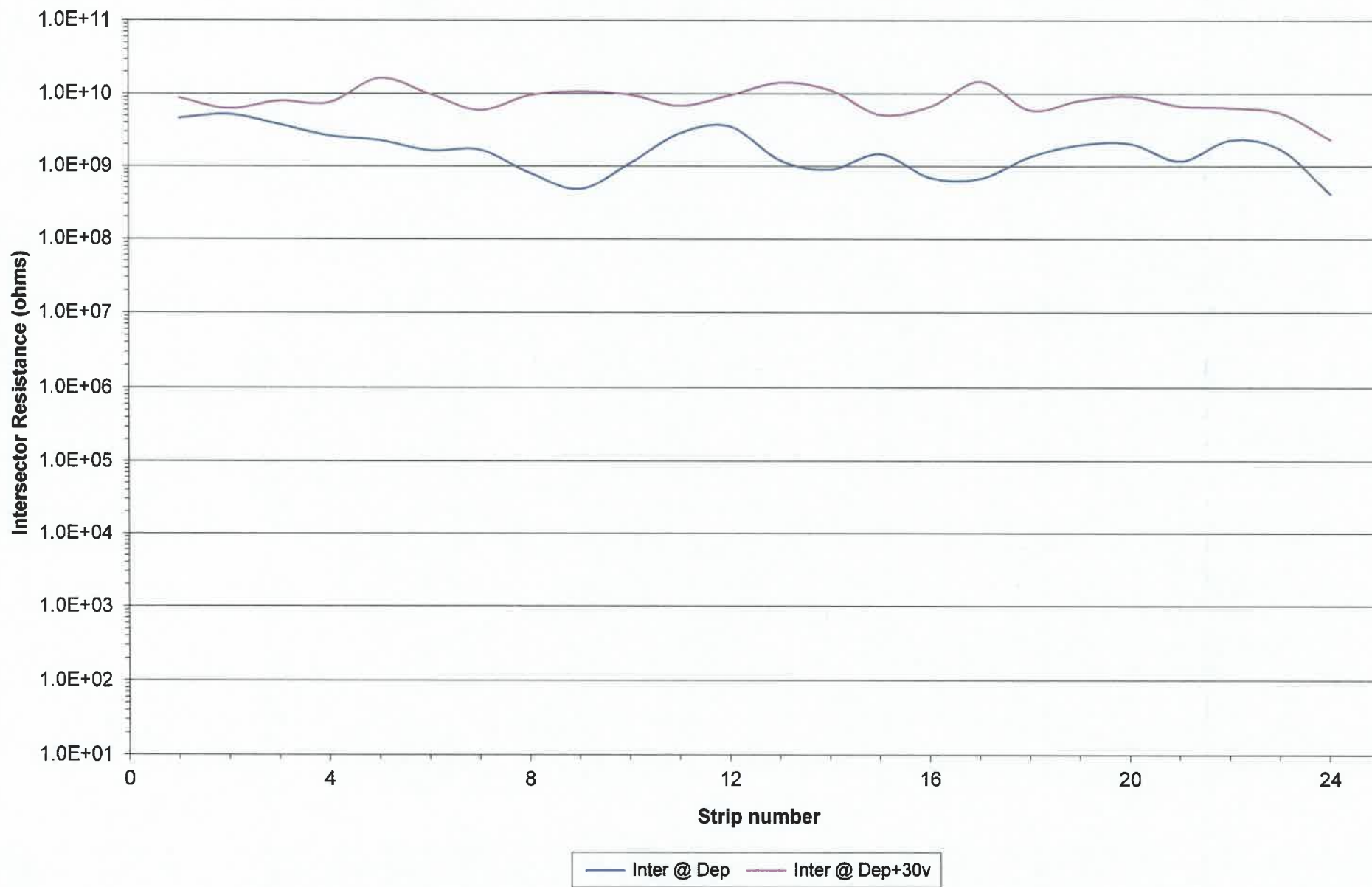
**S3-300 N-TYPE**  
**3040-2 TOTAL DETECTOR IV**  
**Dep=22V Thickness=322um**



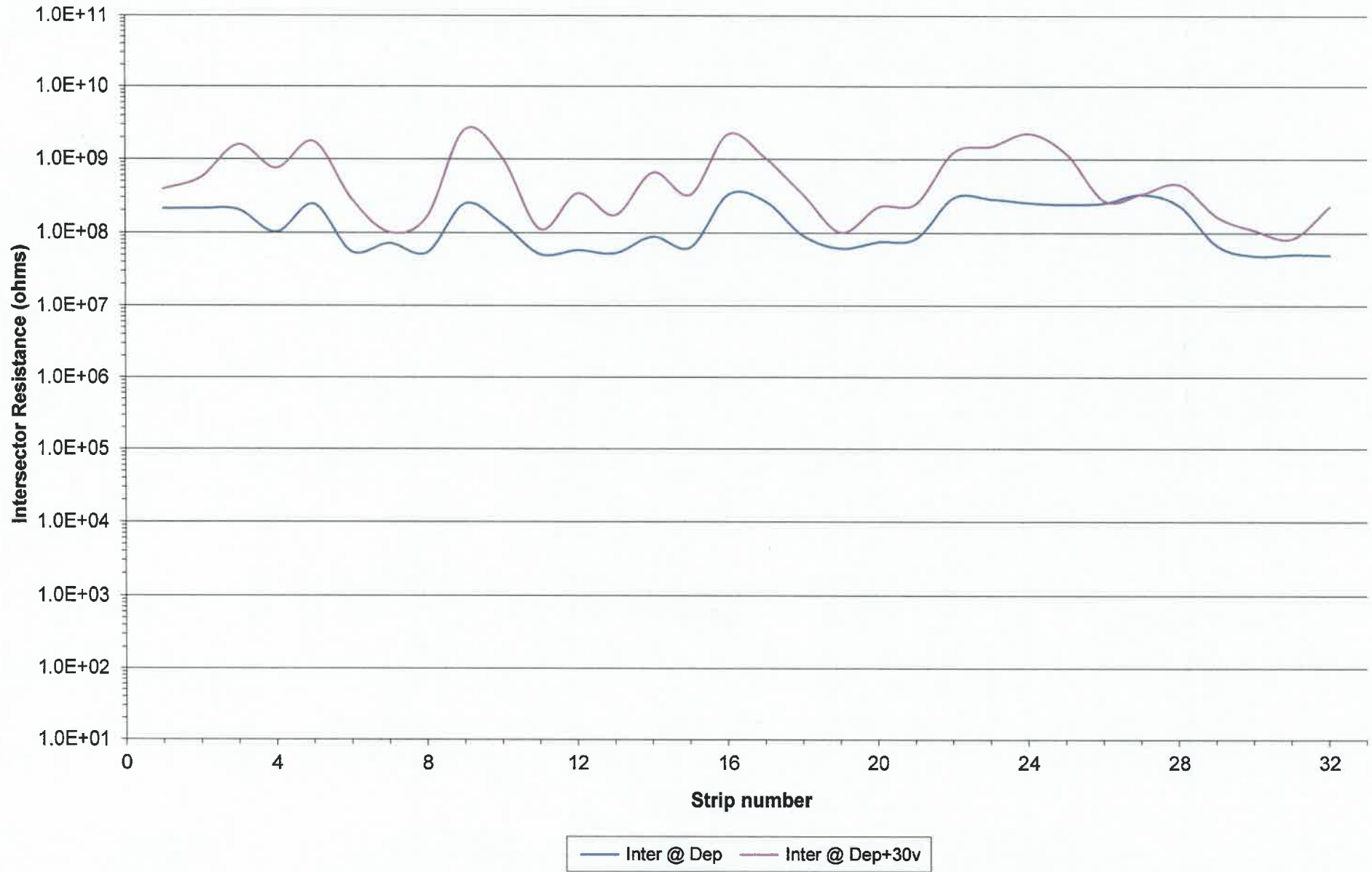
S3-300  
3040-2 Junction side Dep=22V



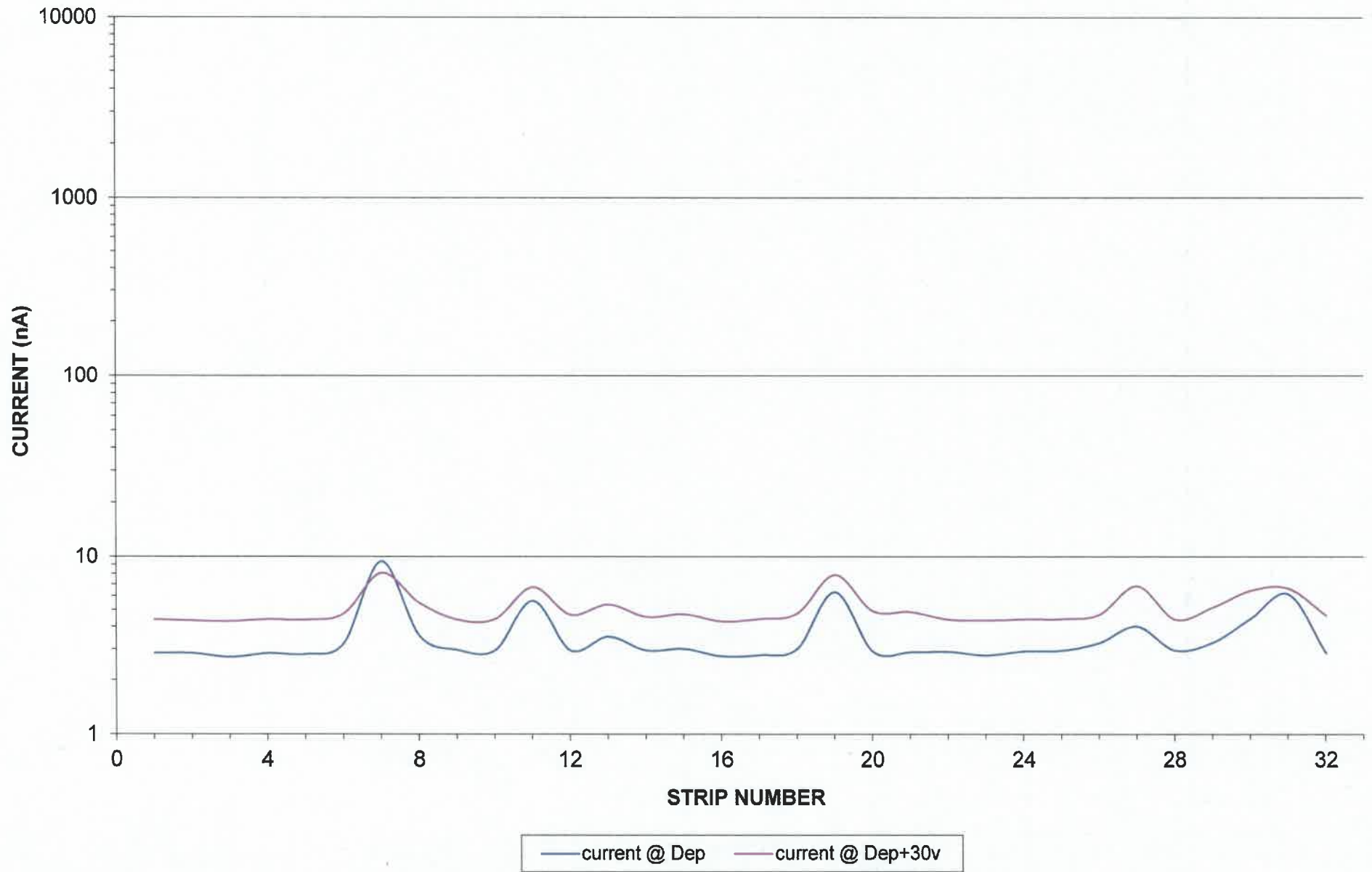
S3-300  
3040-2 Junction side Dep=22V



**S3-300**  
**3040-2 Ohmic side Dep=22V**



S3-300  
3040-2 Ohmic side Dep=22V



# Resolution Plot

DESIGN S3 -300 PAVIA

Wafer No.: **3040-2**

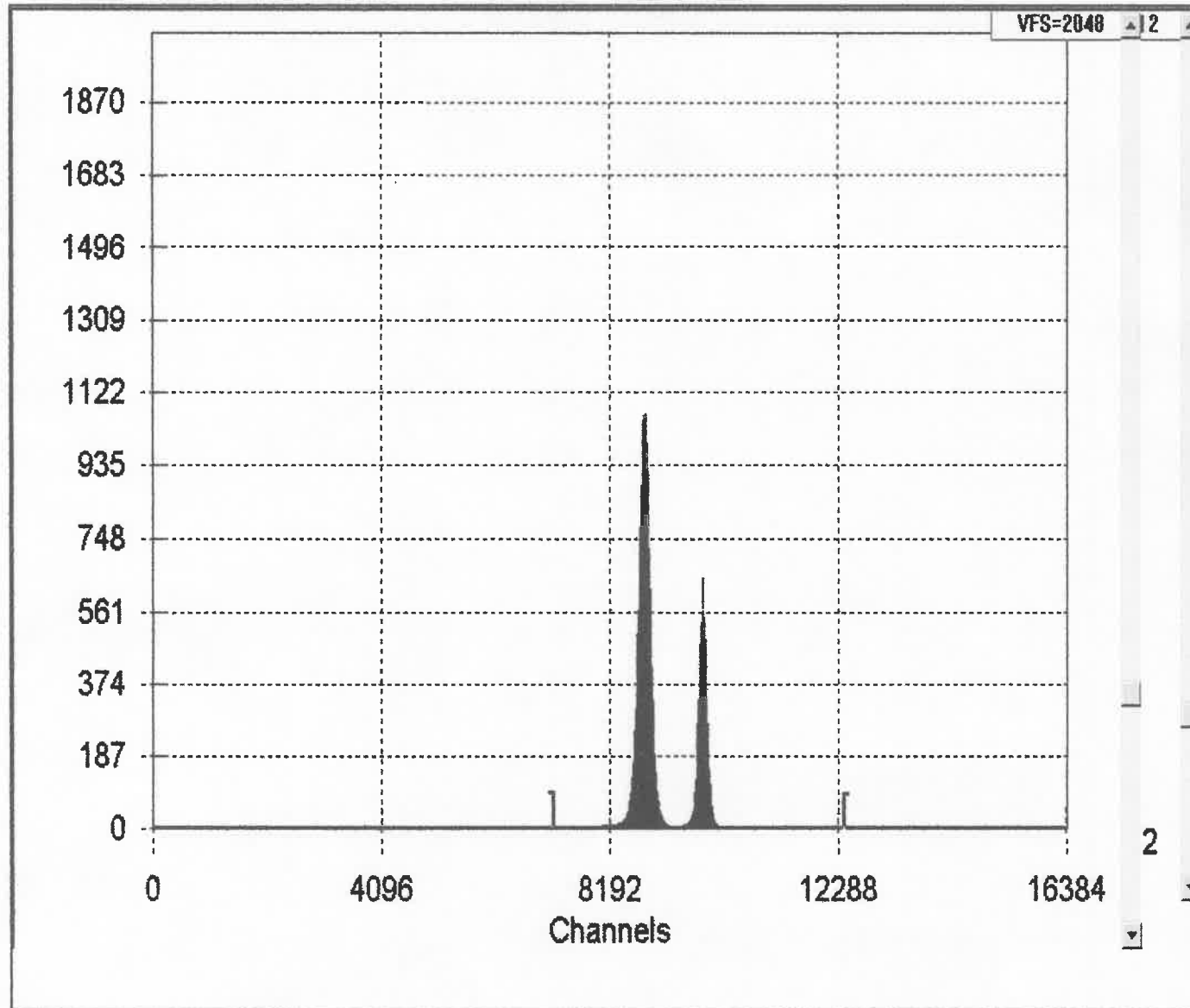
Thickness: **322** um

## JUNCTION

DET LINE: **139** KeV  
SYSTEM: **89.6** KeV  
CAL: **106** KeV

## OHMIC

DET LINE: **141** KeV  
SYSTEM: **87.7** KeV  
CALC: **110** KeV



Source  
**Am 241**

Rise Time  
**1**

Flat Top  
**0**

BIAS VOLTS= **60** V

Leakage **245** nA