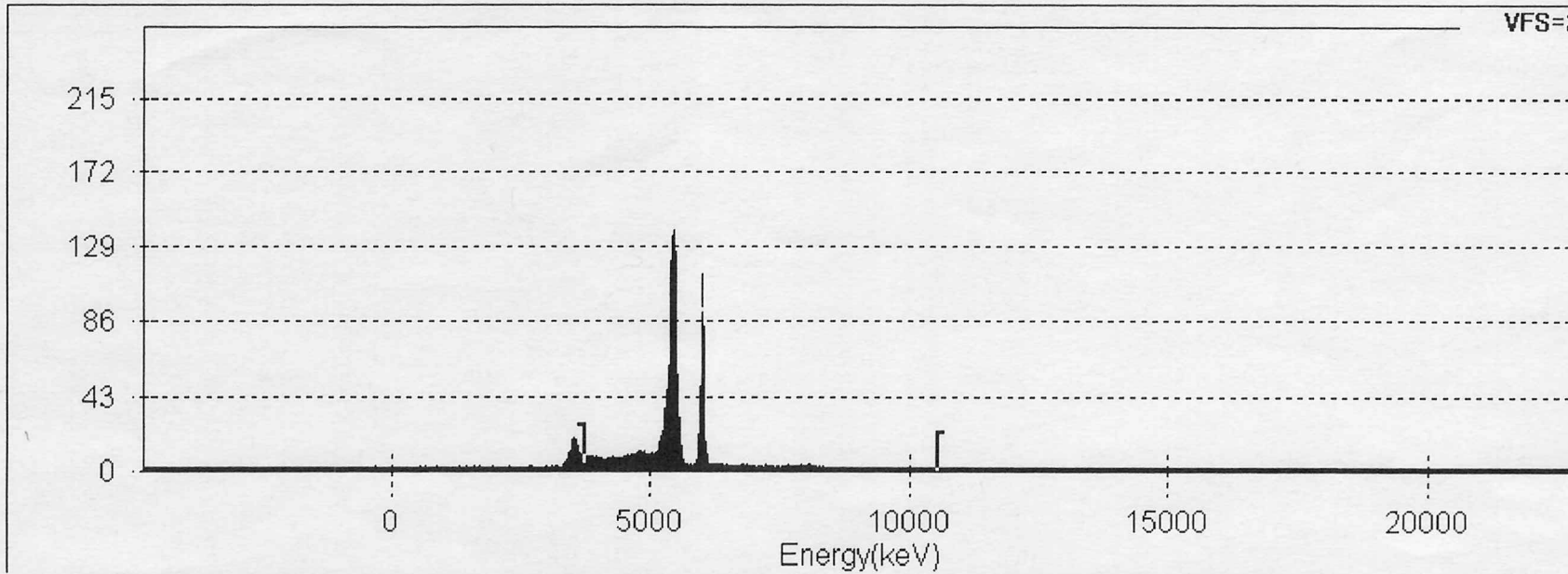


VFS=256



DESIGN S3 - 1000 3596-5 VBIAS- 300 VOLTS IR- 2205 nA TEMP-22.1DC T= 1006 MICRONS DATE:03/08/2023

DETECTOR LINE - 59.1 Kev (NN+) DETECTOR LINE- 80 Kev
SYSTEM- 29.8 Kev SYSTEM- 32.7 Kev
CALCULATED- 51.0 Kev CALCULATED- 73 Kev

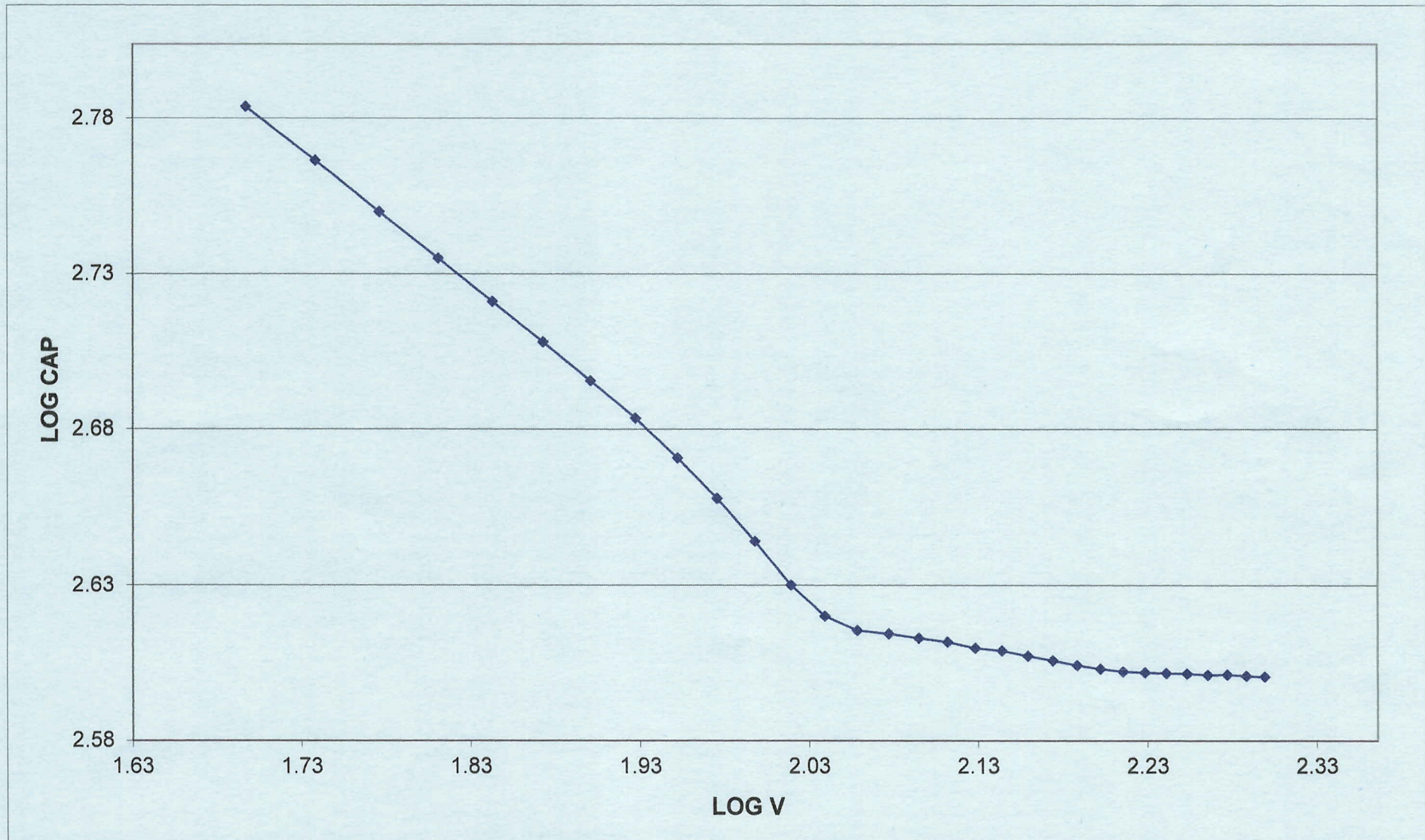
RESOLUTION FOR CHANNEL NUMBER 2

Depletion Plot S3-1000

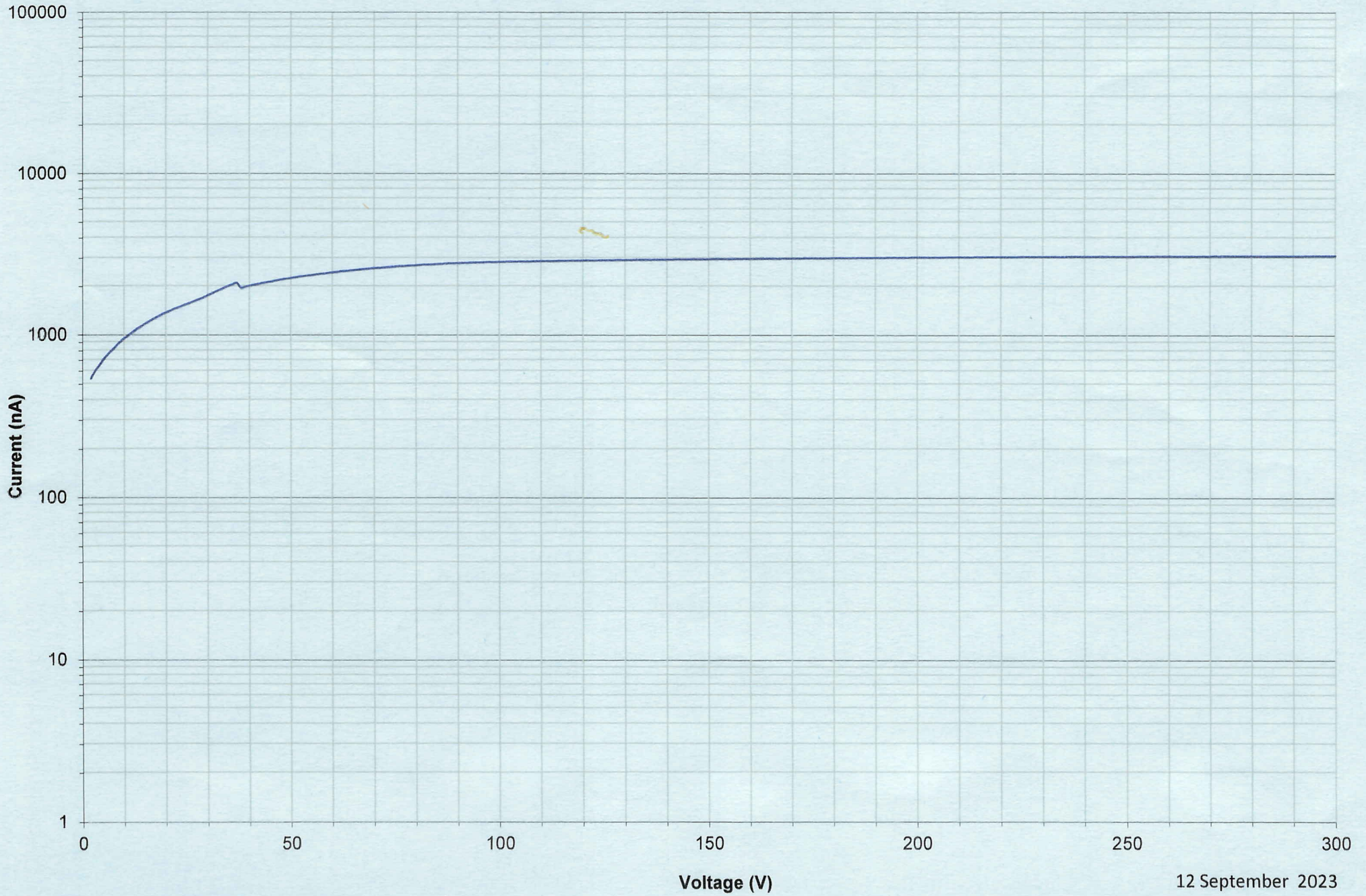
Wafer No.: 3596-5

Thickness: 1006 μm

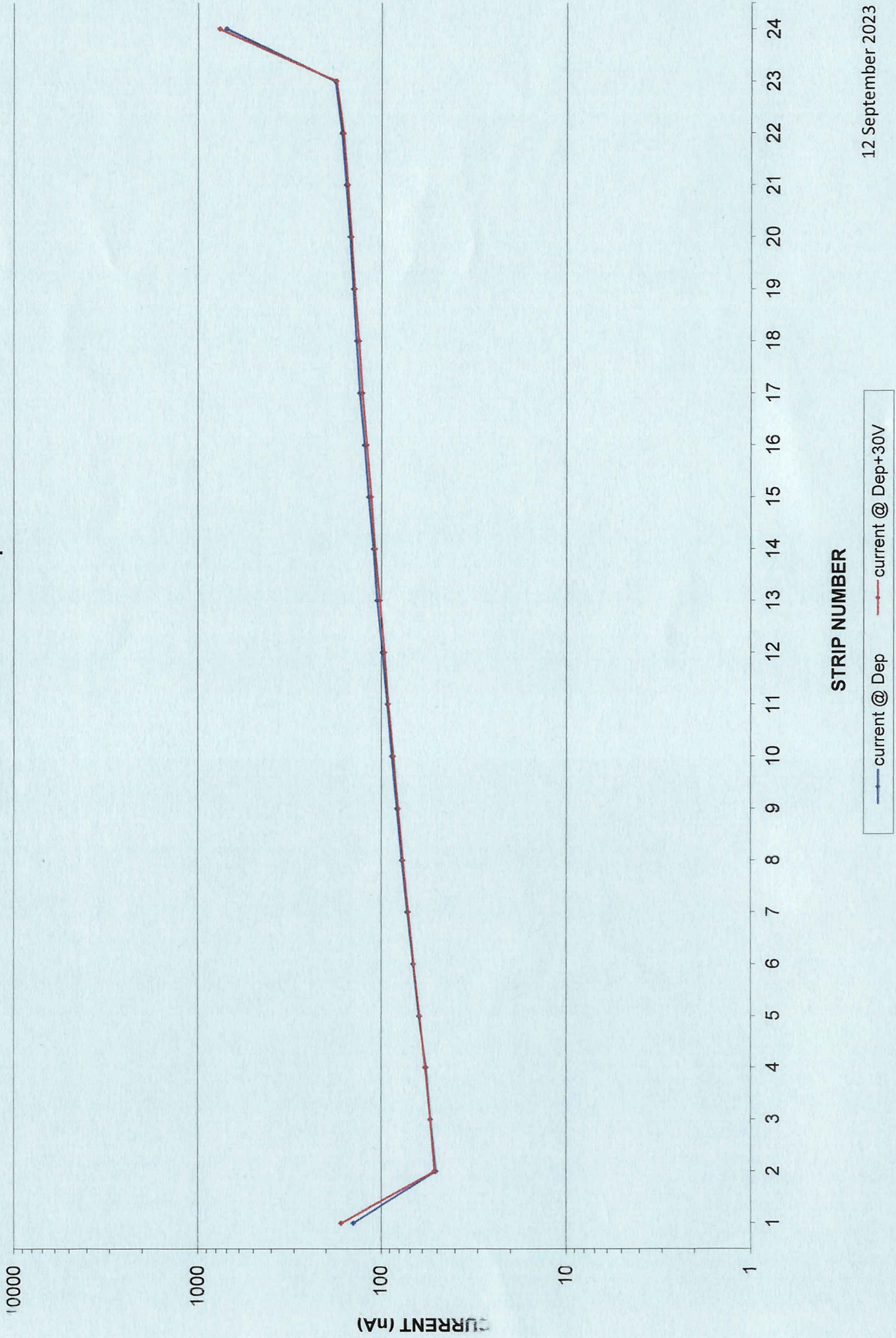
Depletion: 147 Volts



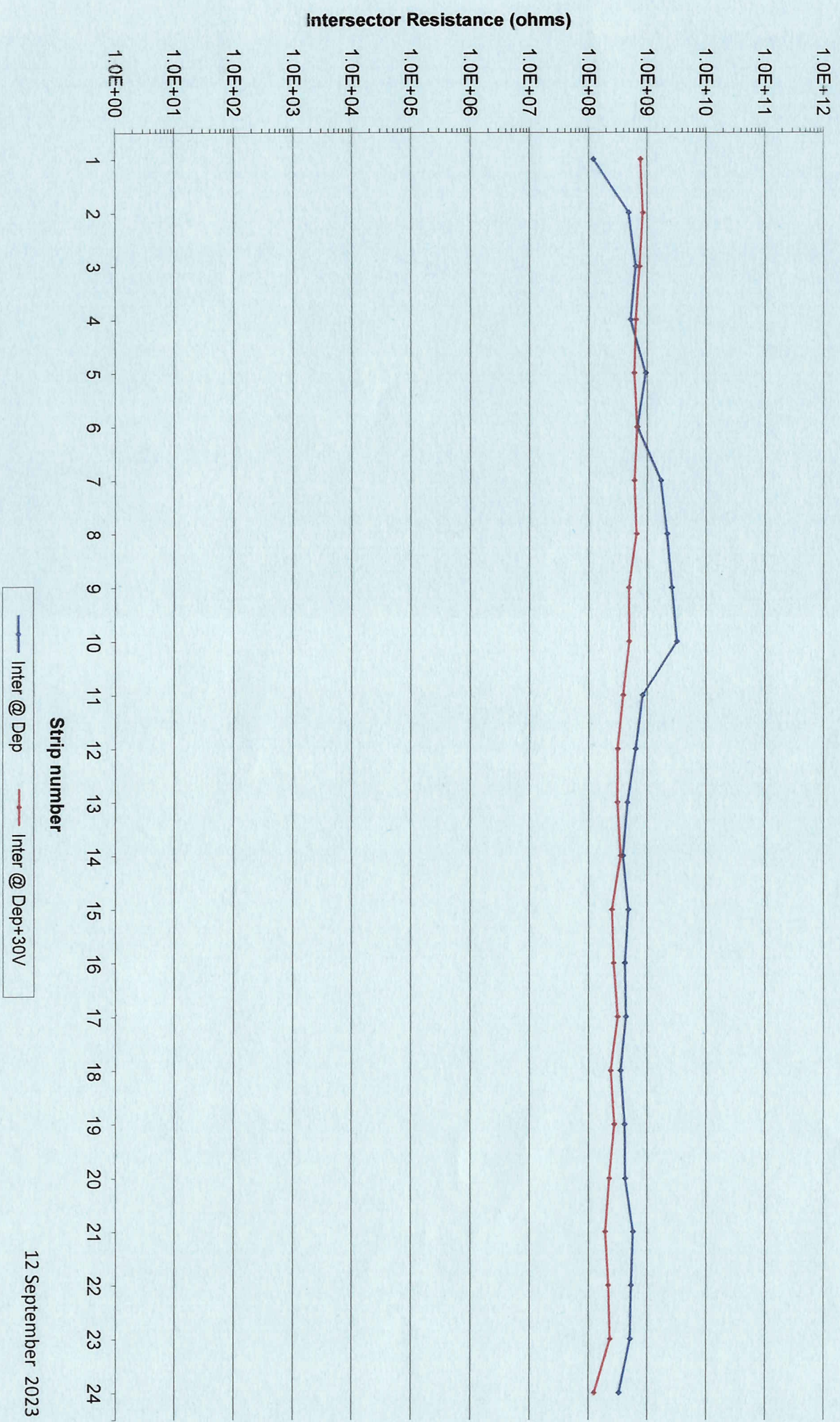
S3-1000 D/S
3596-5 TOTAL DETECTOR IV
Dep=147V Thickness=1006 μ m



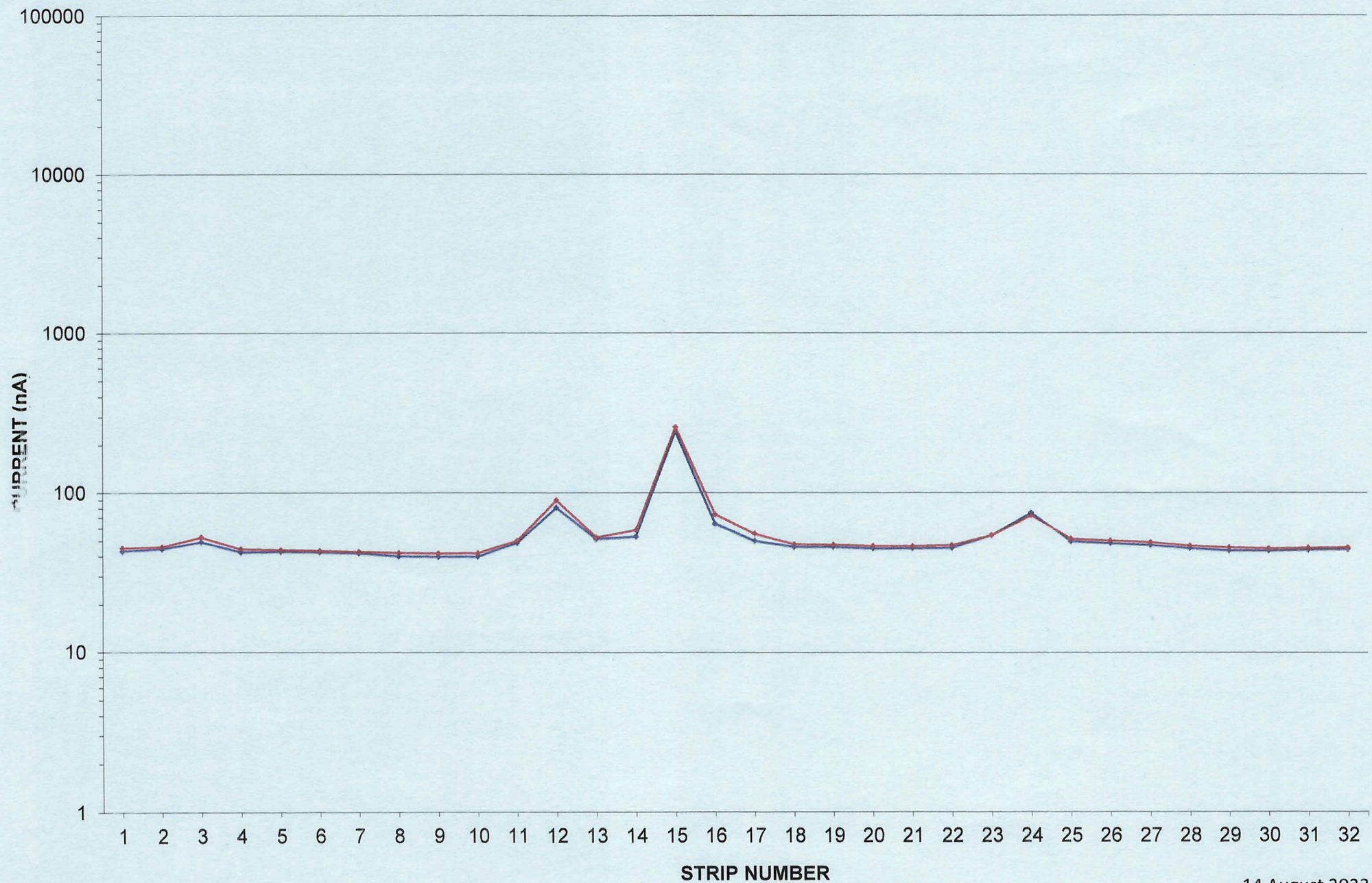
S3_1000 D/S
3596-5 Junction side Dep=147V



S3_1000 D/S
3596-5 Junction side Dep=147V



S3_1000 D/S
3596-5 Ohmic side Dep=147V



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—◆— current @ Dep —◆— current @ Dep+30V

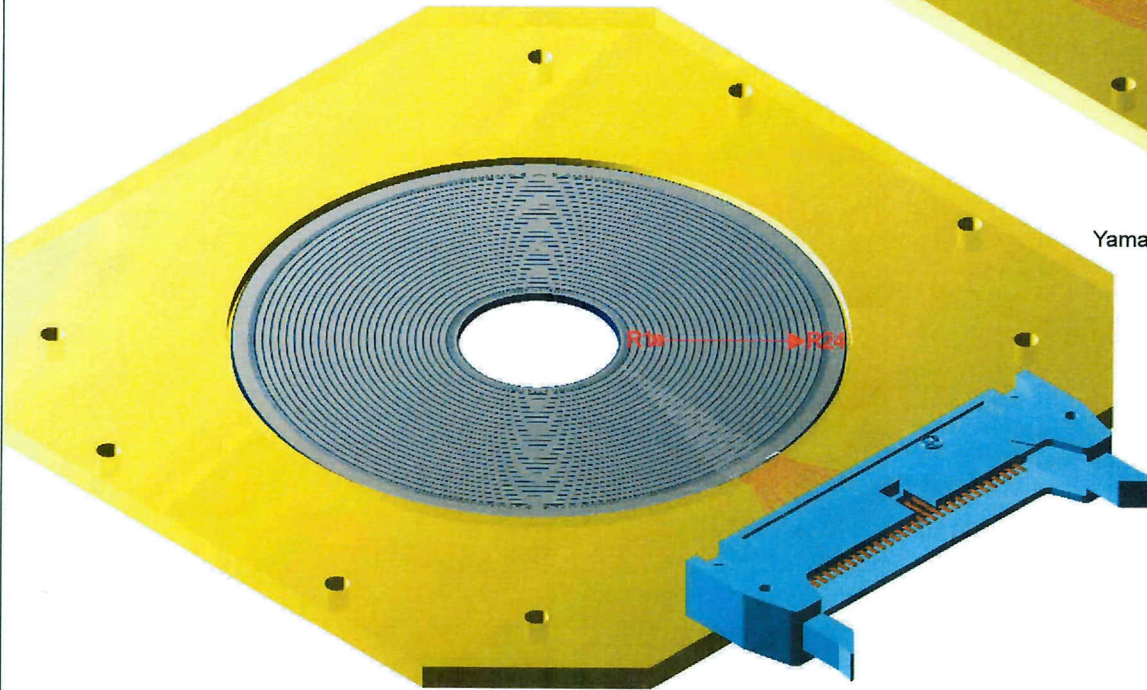
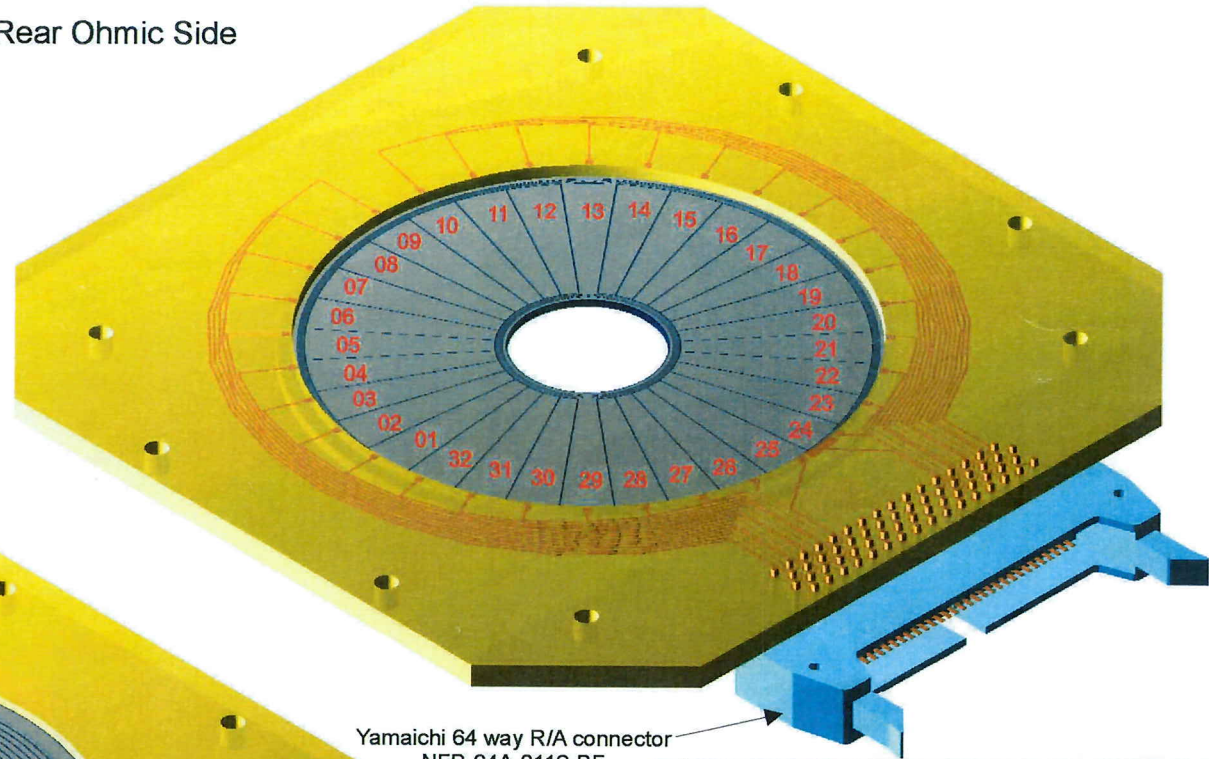
S3_1000 D/S
3596-5 Ohmic side Dep=147V



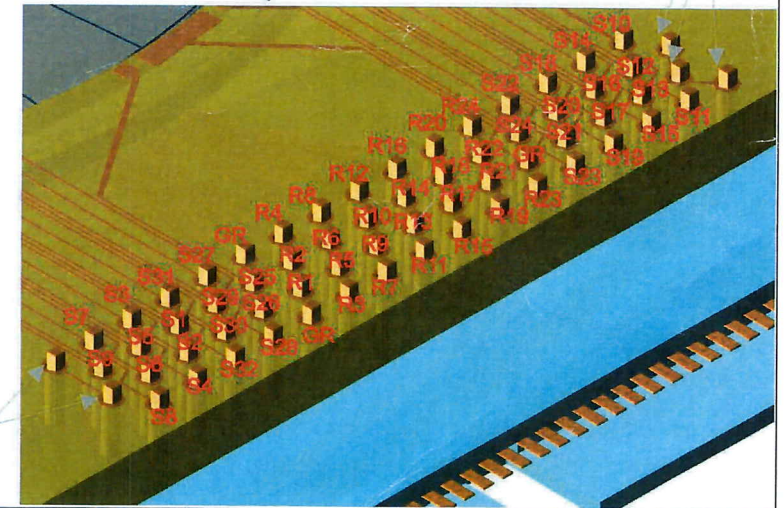
14 August 2023

Rear Ohmic Side

Front Junction Side



Yamaichi 64 way R/A connector
NFP-64A-0112-BF
Exiting Front Side.



Drawn N.W Des. Appd. Customer	Checked S.W	Date 05/06/2007	Tolerances Unless Stated	Outputs Via: Yamaichi 4 Row Right Angled Connector NFP-64A-0112-BF	Title.
			Package O/D $\pm 0.1\text{mm}$	Mating connector: Yamaichi NFS-64A Series	
			Package Hole $\pm 0.05\text{mm}$	Potted Wire Bonds: No	
			Package Hole Pos'n $\pm 0.1\text{mm}$	Substrate Number: A-3329	
			Detector O/D $\pm 20.0\mu\text{m}$	Substrate Material: 2.4mm thick FR4 PCB material.	
			Connector Orientation: To exit front junction side.		

S3 3D Assembly.
Front and Rear View.



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Scale N/A

Dims In. mm

Drg No A-3330