Preparation toward the IV measurement

11/29/2018

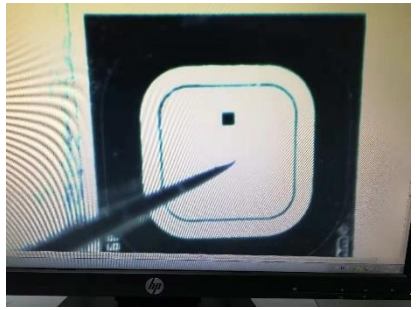
Preparation works [**Mei , Ryuta**]

-- Electrical (cable) connection to the chuck

-- Adjustment of the probe needle (tips) position

-- Confirmation of the operation of the SMU (KEITHLEY 2410)

-- A test with a PIN single sensor : Have applied till 5 V.

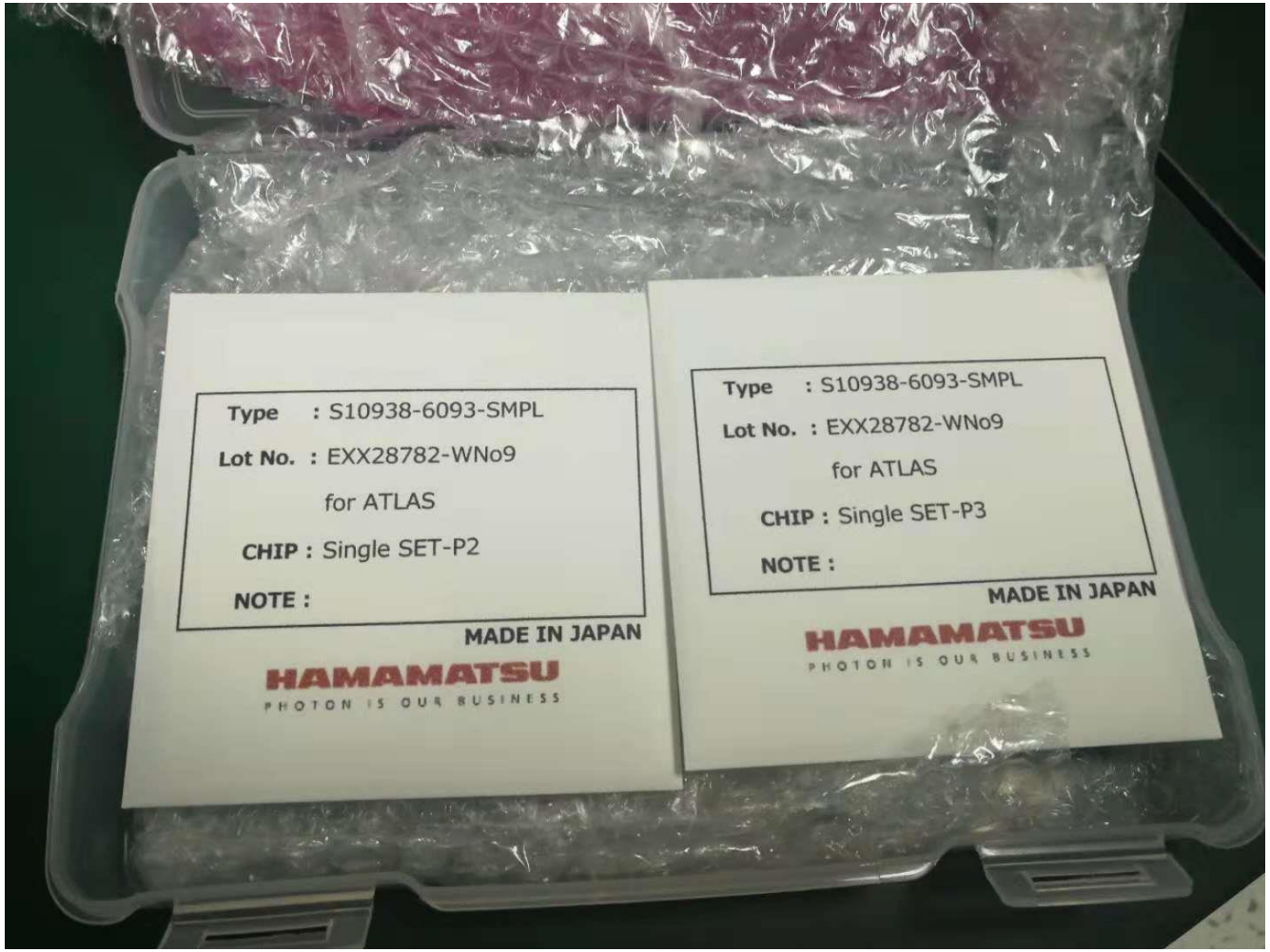


I ~ 0.050 nA (== equal to the lower limit)

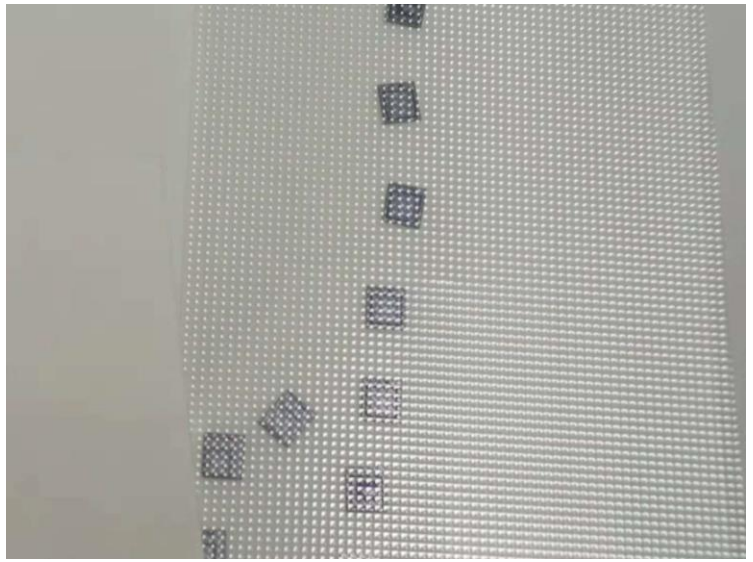
List : Available sensors

-- From a slide shown in last week --

HPK sensors



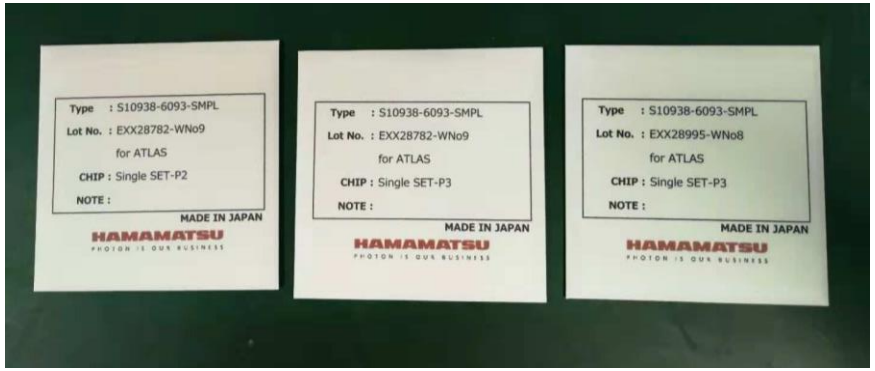
Are they “test samples” with single pad ?

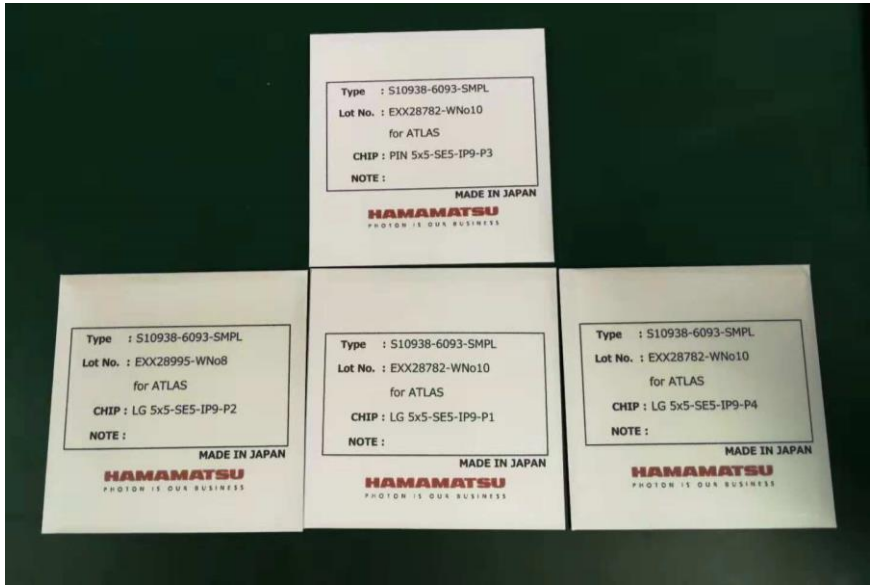


List : Available sensors

-- Updated -- (HPK sensors)

TYPE	Lot No.	CHIP
S10938-6093-SMPL	EXX28782-WNo9 (for ATLAS)	Single SET-P2
S10938-6093-SMPL	EXX28995-WNo8 (for ATLAS)	Single SET-P3
S10938-6093-SMPL	EXX28782-WNo9 (for ATLAS)	Single SET-P3
S10938-6093-SMPL	EXX28782-WNo10 (for ATLAS)	PIN 5x5-SE5-IP9-P3
S10938-6093-SMPL	EXX28995-WNo8 (for ATLAS)	LG 5x5-SE5-IP9-P2
S10938-6093-SMPL	EXX28782-WNo10 (for ATLAS)	LG 5x5-SE5-IP9-P1
S10938-6093-SMPL	EXX28782-WNo10 (for ATLAS)	LG 5x5-SE5-IP9-P4
S10938-6093-SMPL	EXX28995-WNo8 (for ATLAS)	LG 15x15-SE5-IP9-P2
S10938-6093-SMPL	EXX28782-Wno10 (for ATLAS)	LG 15x15-SE5-IP9-P5





Plan

-- Try to do the I-V measurement on single LGADs (CNM, HPK) and see how things goes.