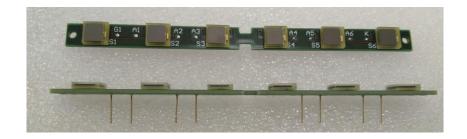


DUNE Arrays	SiPM type: NUV-HD-Cryo TT	Packages: 6x CSP SiPM mounted on
		a linear array

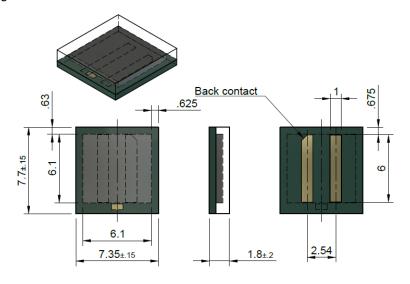
<u>Parameter</u>	Typical Value	Conditions
Active Area	6x6 mm <sup>2</sup>	
Cell Size	54x54 μm²	
Breakdown Voltage	~33 V	(at 25 °C)
DCR	100 kHz/mm <sup>2</sup>	4V Overvoltage (at 25 °C)
PDE at 435nm	42.5%	4V Overvoltage (at 25 °C)
Crosstalk + afterpulsing "probability"	<35%	4V Overvoltage (at 25 °C)
Gain	>2 106	4V Overvoltage (at 25 °C)
Breakdown voltage variation	<200 mV (max-min)	In groups of >32 boards
Breakdown voltage variation	<2 V (max-min)	In the entire production of 16.667 boards

# **Board photo:**



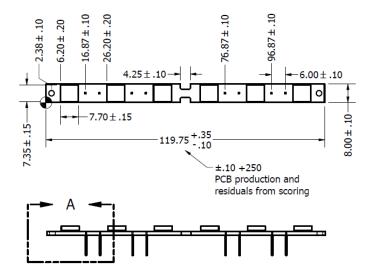
# Package details:

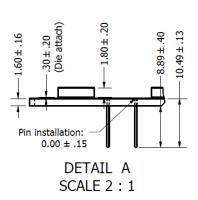
CSP technical drawings



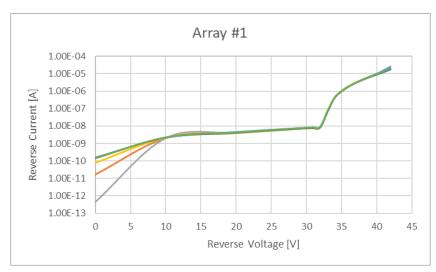


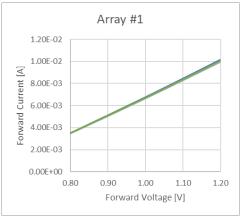
### Array technical drawings





## Typical I-V curve (dark condition) (T ~25°C):







# PDE Measurement (T ~25°C):

