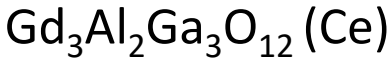


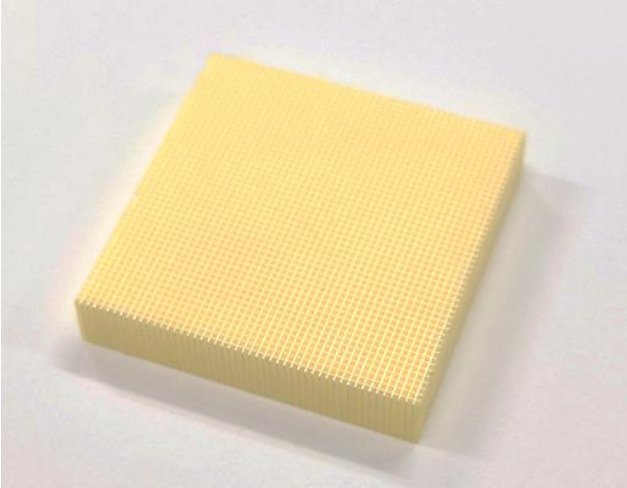
GAGG micro-array

GAGG



Patent No.: EP2671940(B1), US8969812(B2), RU2622124(C2), JP5952746(B2)
EP3138891(B1), US10174247(B2), RU2670919(C9)

Product Information



GAGG single crystal *1 micro-array

*1 Kamada et al., J. Cryst. Growth, 452 (2016) 81-84.

Outline

GAGG micro-arrays with pixel size starting from 200 μm and minimum gap size of 60 μm are available.

Please contact us for the required number of channels.

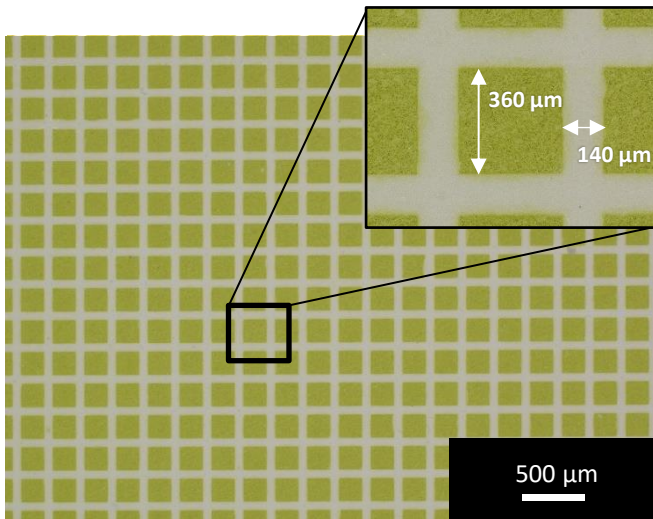
(GAGG is an oxide scintillator with high brightness and high energy resolution, and it is neither deliquescent nor self-radiating.)

Shape

Pixel [μm]	200 ~
Gap [μm]	60 ~

GAGG's scintillation properties *2

Light yield [photons/MeV]	50,000 - 56,000
Energy resolution*3 (662 keV, FWHM) [%]	5-6
Decay time [ns]	92 (86%), 174 (14%)
Emission wavelength[nm]	520
Density [g/cm ³]	6.63



Enlarged view of the sample surface

*2 All properties were measured using 5 x 5 x 5 mm³ sample.

*3 Energy resolution was measured with APD.

The measurement condition and data are at the time of evaluation and may not apply to all cases. Please consider as a reference case.