

Gamma Scintillator Configurations

SrI₂

High Energy Resolution

High Light Outout

Low Background

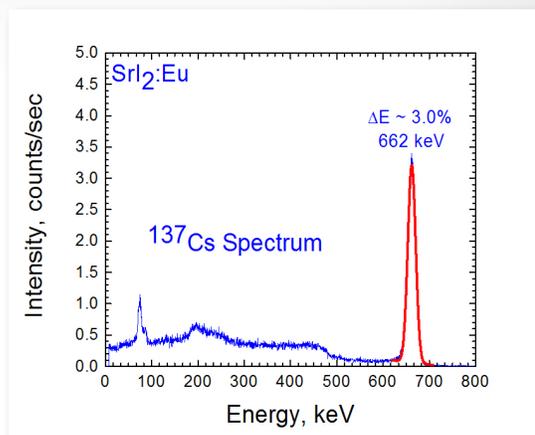
The Science Behind the Technology

 **RMD**
A Dynasil Company

SrI₂ Scintillation Packaging



1.5" x 1.5" SrI₂ Crystal



1.5" SrI₂ Crystal - Energy Spectrum

SrI₂

RMD supplies SrI₂ scintillation crystals designed to meet our customer's needs. SrI₂ scintillation crystals and packaging are specified after discussions with RMD and are quoted based upon the customer's specification. Available packaging includes:

Unpackaged: Shipped in an inert atmosphere container. SrI₂ scintillation crystals are hygroscopic. Unpackaged SrI₂ crystals are available for customers who have the ability to work with SrI₂ in a dry box and who are proficient in crystal preparation and packaging.

Hermetic Package: With an optical window. SrI₂ scintillation crystals are supplied in a right-circular cylindrical package with an optical window on one end. The housing protects the right cylindrical shaped crystal that is permanently sealed inside the housing.

Packaged with a Photomultiplier Tube. SrI₂ scintillation crystals are packaged in conjunction with a suitable photomultiplier tube, or other photodetector.

Other crystal shapes, sizes and packages are available upon request.

Model Number	Scintillation Material	Crystal Shape and Crystal Dimensions	Energy Resolution	Package Style
SRI-25-PHI-25-S-117	SrI ₂	Cylindrical 25 mm diameter, 25 mm length	< 4 % FWHM at 662 keV line of ¹³⁷ Cs	Sealed Package
SRI-25-PHI-25-P-121	SrI ₂	Cylindrical 25 mm diameter, 25 mm length	< 4 % FWHM at 662 keV line of ¹³⁷ Cs	Scintillation Crystal is permanently mounted to a photomultiplier tube.
SRI-38-PHI-38-S-117	SrI ₂	Cylindrical 38 mm diameter, 38 mm length	< 4 % FWHM at 662 keV line of ¹³⁷ Cs	Sealed Package
SRI-38-PHI-38-P-121	SrI ₂	Cylindrical 38 mm diameter, 38 mm length	< 4 % FWHM at 662 keV line of ¹³⁷ Cs	Scintillation Crystal is permanently mounted to a photomultiplier tube.