

Proposal for multi-2 AR CCD42-40

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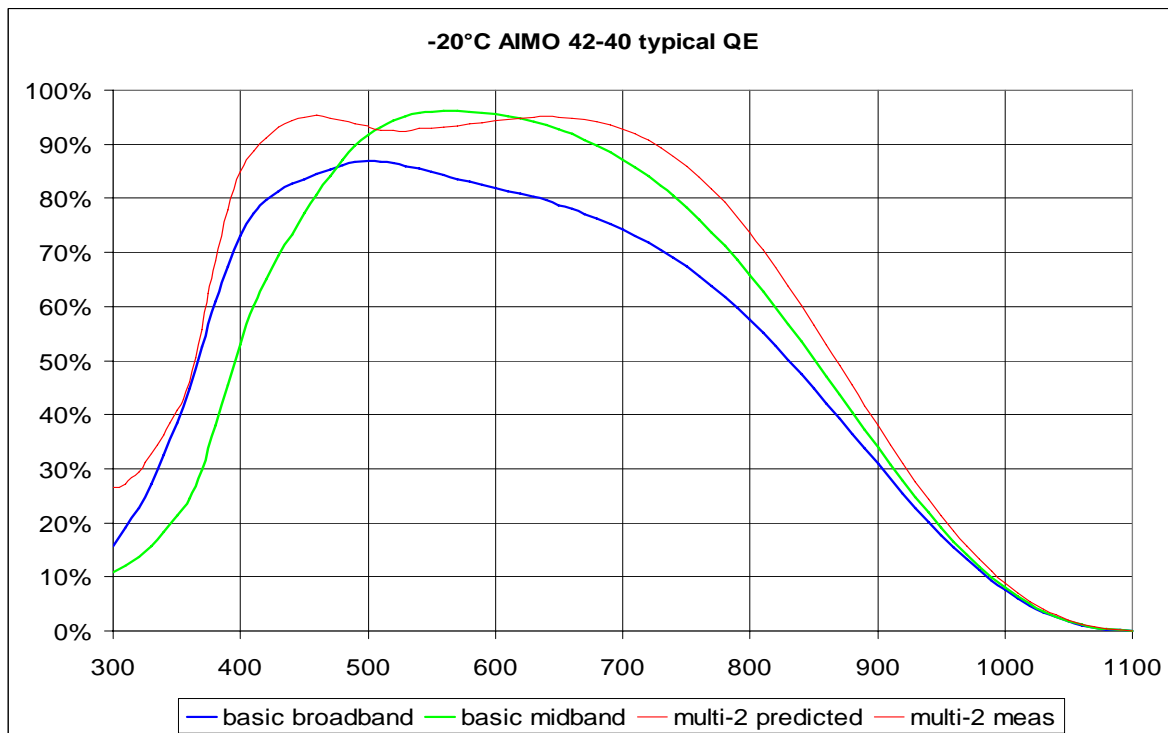
This document describes a CCD42-40 sensor with a custom multi-2 AR coating. All specifications are described in the standard CCD42-40 AIMO BI data sheet except as noted here.

CCD42-40 Multi-2 AR coating

Part number: CCD42-40-x-F46 AIMO, BI basic multi-2 AR, ceramic package

Quantum Efficiency

The figure below indicates predicted spectral response; red curve shows multi-2; other curves show basic midband and broadband for comparison.



QE specifications are shown in the table below. These allow for process and measurement tolerances.

Guaranteed QE specification minimum values at -20C.

Wavelength (nm)	Minimum QE (%)
350	-
400	70
500	80
650	85
900	30
1000	-

Note.

The multi-2 AR coating is newly developed at e2v and has not yet undergone full process release. However pre production tests demonstrate good electro-optical performance and mechanical properties.