|  |  |
| --- | --- |
| **Section** | **Details** |

|  |  |  |
| --- | --- | --- |
| **Product Type** | **Dot projector** | |
| **Light source information** | Type of light source  (VCSEL/EEL/PCSEL) |  |
| Divergence Angle  (Full Width at 1/e^2 Maximum Intensity) | Min： |
| Typical： |
| Max： |
| Radiation Characteristics1  (Please provide detailed specifications) | See example in appendix |
| Optical aperture |  |
| Number of emitters |  |
| Emitter arrangements  (Please provide pattern, pitch, and coordinates) |  |
| Wavelength |  |
| **Metalens mechanical dimensions** | Size of active area  (Standard size 2.5mm x 2.5mm) |  |
| Size of metalens  (Standard size 2.8mm x 2.8mm) |  |
| **Performance specifications** | Efficiency |  |
| Output divergence angle, H x V |  |
| Total number of dots |  |
| Tile arrangements m x n |  |
| Contrast ratio2 | See appendix for test condition |
| **Assembly Requirements**  **(if any)** | Assembly requirement  (Lens only / Assemble with light source) |  |
| CAD or dimension requirements of pre-determined lens holder or lens assembly |  |
| Preferred alignment method  (Active alignment or tight fit alignment) |  |
| Alignment error in XY axis |  |
| Alignment error in Z axis |  |
| Rotation error around Z-axis |  |
| **Others** | Fill in any other requirements here |  |

|  |  |
| --- | --- |
| **Appendix** | |
| 1. Radiation Characteristics Example | 图片包含 图标  描述已自动生成 |
| 2. Contrast ratio calculation | *E1: Total optical power within spot diameter d*  *E2: Total optical power within a square with 2d side length*  *Contrast ratio = E1/E2* |