

Product Portfolio

Infrared Sources EMIRS50

All Articles with / without Reflector and Window

Axetris IR sources are micro-machined thermal infrared emitters. The patented design provides a true black body radiation characteristic from 2 to 14 μm , high emissivity and a long lifetime. It has a low power consumption and the source can be modulated extremely fast.

EMIRS50 are packaged in compact TO-46 cans and are available with TO-cap or with reflector; Sapphire and BaF2 windows are optional. Axetris IR sources are ideally suited for very compact gas detection modules.



| Article Type | *WD (top of refl.)/ Power in < 20° angle | Window material | Article No. Front-vented | Drawing No. if different | Article No. Back-vented | Drawing No. if different |
|---------------------------|------------------------------------------------|--------------------------------|--------------------------|--------------------------|-------------------------------|--------------------------|
| EMIRS50 | | | | | | |
| TO-46 Chip on Header | No collimation/ 12% | -- | -- | | 603.410 | -- |
| TO-46 with TO Cap | No collimation/ 12% | -- | -- | | 603.429 | -- |
| TO-46 with Reflector 5 | No collimation/ 17% | Sapphire BaF2 w/o window | -- | | 603.381 603.377 603.431 | 603.417 603.417 -- |
| TO-46 with Reflector 6 | 10 – 30 mm/ 81% | -- | -- | | 603.940 | -- |
| TO-46 with Reflector 7 | 5 – 20 mm/ 90% | -- | -- | | 604.683 | -- |

* Working Distance (top of reflector)