

Product Portfolio

Infrared Sources EMIRS200

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.

EMIRS200 are packaged in compact TO-39 cans and are available with protective cap or with reflector; Sapphire, CaF₂, BaF₂ and Germanium windows are optional. Axetris IR sources are ideally suited for 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
EMIRS200						
TO39 Chip on Header	No collimation/ 12%	--	603.050		603.051	--
TO39 with TO Cap	No collimation/ 12%	--	600.347 603.018		--	--
TO39 with Reflector 1	5 – 15 mm/ 60%	Sapphire CaF ₂ BaF ₂ Ge w/o window	602.994 602.993 602.992 602.989 600.451	603.459 603.459 603.459 603.459 --	602.966 602.965 602.964 602.961 --	603.462 603.462 603.462 603.462 --
TO39 with Reflector 2	0 – 7 mm/ 54%	w/o window	601.405		--	--
TO39 with Reflector 3	10 – 30 mm/ 82%	Sapphire CaF ₂ w/o window	601.800 601.612 601.937	603.465 603.465	--	--
TO39 with Reflector 4	No collimation/ 15.7%	Sapphire CaF ₂ BaF ₂ Ge	602.941 602.940 602.939 602.853	603.448 603.448 603.448 603.448	602.909 602.907 602.903 602.839	603.456 603.456 603.456 603.456

* Working Distance (top of reflector)