

## 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  $\mu\text{m}$ , 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, CaF<sub>2</sub>, BaF<sub>2</sub> and Germanium windows are optional. Axetris IR sources are ideally suited for compact gas detection modules.



Article Type	Reflector focal length	Window material	Article No. Front-vented	Drawing No. if different	Article No. Back-vented	Drawing No. if different
TO39 Chip on Header	--	--	603.050		603.051	--
TO39 with TO Cap	Standard Low profile	--	600.347 603.018		-- --	-- --
TO39 with Reflector 1	5 – 15mm	Sapphire	602.994	603.459	602.966	603.462
		CaF <sub>2</sub>	602.993	603.459	602.965	603.462
		BaF <sub>2</sub>	602.992	603.459	602.964	603.462
		Ge	602.989	603.459	602.961	603.462
		w/o window	600.451	--	--	--
TO39 with Reflector 2	0 – 7mm	w/o window	601.405		--	--
TO39 with Reflector 3	10 – 30mm	Sapphire	601.800	603.465		
		CaF <sub>2</sub>	601.612	603.465	--	--
		w/o window	601.937			
TO39 with Reflector 4	0 – 30mm	Sapphire	602.941	603.448	602.909	603.456
		CaF <sub>2</sub>	602.940	603.448	602.907	603.456
		BaF <sub>2</sub>	602.939	603.448	602.903	603.456
		Ge	602.853	603.448	602.839	603.456