



**Electro Optical Components, Inc.**

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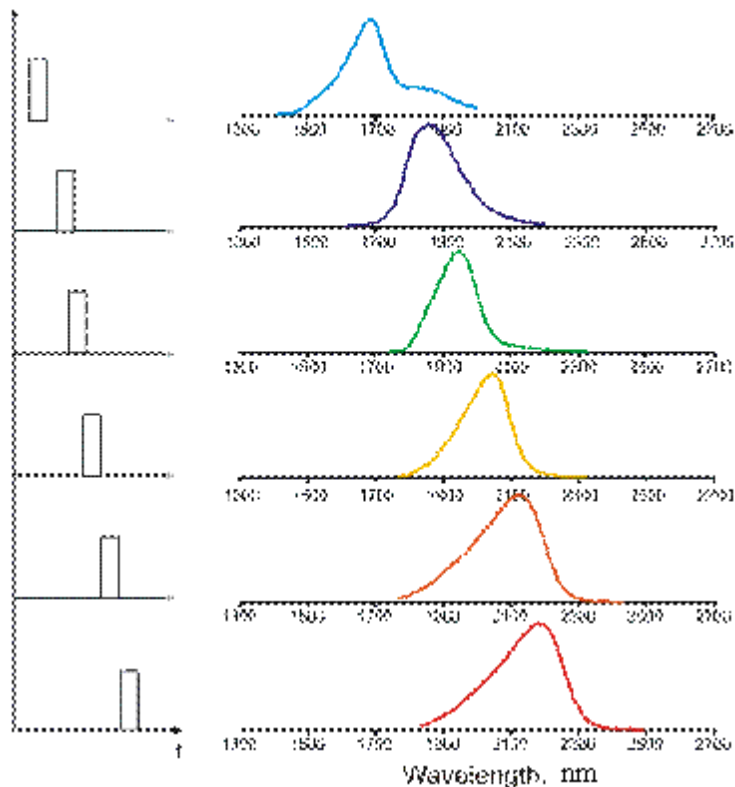
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## LED Arrays and Matrix — Common Info

Tiny size of LED chip (0.35x0.35 mm), narrow-band emission spectrum, short response time and low thermal flux enables creating very compact multielement LED arrays and LED matrices emitting at one or different wavelengths.

LED matrix is a kind of arrangement of similar or different LED-chips mounted in a single compact package and driven together or independently. Such kind of emitter is a powerful radiation source for portable optical analyzing systems. Connecting LED chips emitting at different wavelengths and driving them independently or applying short current pulses sequentially to each chip enables scanning of certain spectral range with the help of very compact radiation source.



Parallel connection of several LED chips emitting at the same wavelength and driving them together provides significant increasing in total optical power.