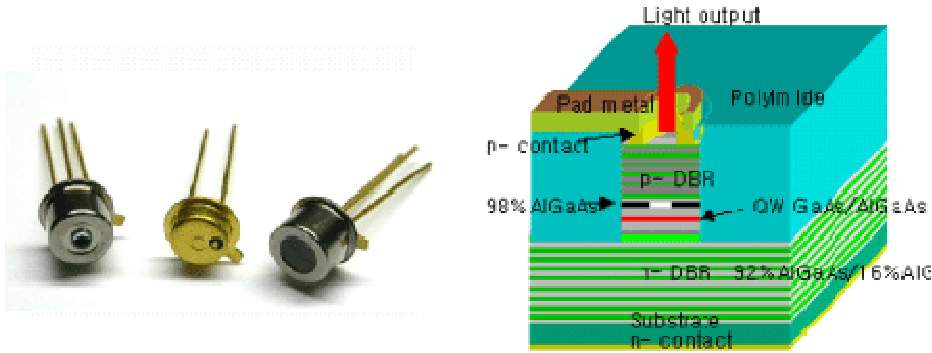


## VCSEL



VCSEL, Vertical cavity surface emitting laser is low-cost high-speed solution for data communication applications and interconnects and has started to challenge the well-established edge-emitting lasers in telecom and storage applications. VCSEL-based modules, with speed up to 2.5 Gbit/s per channel for distances up to 300 meters are now commercially available.

Specification(Ta=25c)

Type No.	Threshold Current I <sub>th</sub> [mA]		Beam Divergence			Slope Efficient [mW/mA]			Forward Voltage V <sub>F</sub> [V]		Breakdown Voltage V <sub>R</sub> [V]	Optical Output Power P <sub>O</sub> [mW]	Peak wavelength [nm]		
	Typ	Max	Min	Typ	Max	Min	Typ	Max	Typ	Max	Typ	Typ	Min	Typ	Max
KVCB1-8512	1.5	3	5	10	15	0.3	0.5	0.7	1.8	2.2	-10	2.5	840	850	860
KVCF1-8512	1.5	3	14	25	30	0.3	0.5	0.7	1.8	2.2	-10	2.5	840	850	860

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