


# High-Speed TO Headers and Caps



Different applications require different TO packages. As the only one-stop shop for TO headers as well as soldered and molded precision TO caps, SCHOTT can offer high-performance packages for all major high-speed single and multi-mode fiber applications. If your product or application is not shown in the table below, please contact us. We can utilize our TO knowledge to develop the perfect cap and header combination for your application.

Application segment	Multi-Mode Fiber			
Device type	Tx VCSEL		Rx photo diode (PIN)	
For data rates of	< 10 Gbit/s, 10 Gbit/s, 14 Gbit/s, 25/28 Gbit/s			
TO Cap	TO52 Angled Window Cap		TO52 Molded Window Cap	
TO Header	TO46 PLUS® Header		TO46 Header	

# High-Speed TO Headers and Caps

Application segment	Single-Mode Fiber			
Device type	Tx FP/DFB Laser		Rx photo diode/Avalanche photo diode (APD)	
For data rates of	< 10 Gbit/s, 10 Gbit/s, 25/28 Gbit/s			
TO Cap	TO56 Ball Lens Cap*	Uncooled	TO52 Molded Lens Cap	
TO Header	TO56 PLUS® Header		TO46 Header	
TO Cap	TO56 Ball Lens Cap*	Cooled	TO52 Molded Lens Cap	
TO Header	TEC TO Header		TO46 Header	
TO Cap	TO56 Ball Lens Cap*		TO33 Molded Lens Cap	
TO Header	TO38 Header		TO33 Header	

\* Lenses available with low, medium and high refractive index

**Ask an expert:** We strongly believe in consulting with our customers to create the best possible solution that perfectly fits their individual requirements. If you have any questions or inquiries, please contact us at [to.info@schott.com](mailto:to.info@schott.com).

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