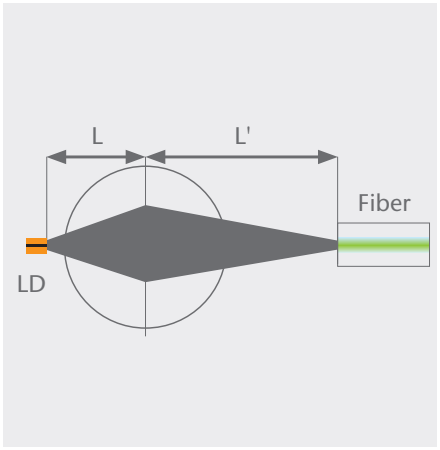
Ball Lens Caps

Product Information

Many optical data communication applications must transmit and receive signals at extremely high levels of precision. Hence, optimum light efficiency is necessary. SCHOTT Electronic Packaging offers a wide range of standard glass materials sealed in metal caps. In addition, SCHOTT can also leverage upon its in-house expertise to provide customers with customized glass types to suit their unique requirements relating to specifications such as refractive indices and ball lens diameters.

Technical Information	
Lens material:	N-BK7, Sapphire, N-LaSF44, LaSF35
Solder seal:	RoHS compliant
Outline:	TO 56, TO 46, TO 52, TO 38, TO 39, TO 8, TO 18, customer design
Metal Cap:	Alloy 52, SF20T, Alloy 46 (Optional finishing: Ni/Ni + Au)
Coatings:	AR@850 nm, 1310 nm, 1550 nm, Broadband coating 1250-1620 nm, custom coatings possible, Beam Splitter coating available
Height tolerance:	Machined Body: +/- 0.015 mm, Deep Drawn Material Body: +/- 0.025 mm



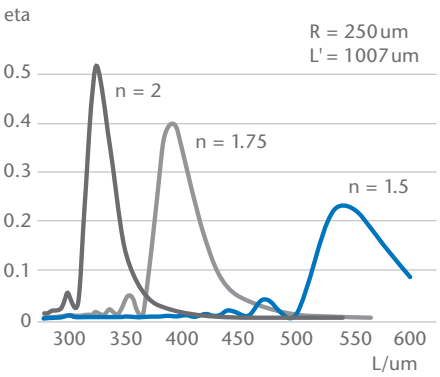
Optical sub-assembly

Application

- Gigabit Ethernet
- Fibre Channel
- FTTx-BiDi/Triplexer
- Other TOSA and ROSA designs

nd	Glass type
1.5	N-BK 7
1.746	Sapphire
1.78	N-LaSF 44
2.02	LaSF35

Refrective index



Graph of coupling efficiency vs. refrective index

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