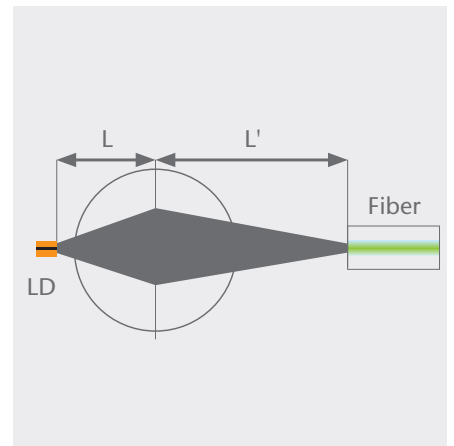


# Ball Lens Caps

## 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



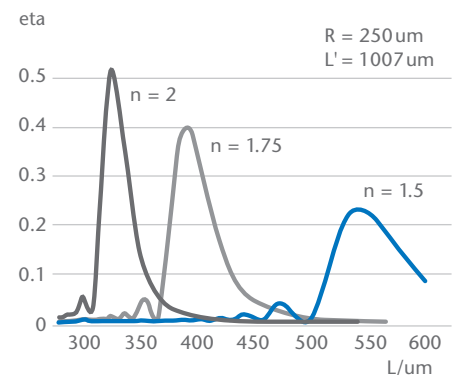
Optical sub-assembly

## 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

Refractive index



Graph of coupling efficiency vs. refractive index

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