

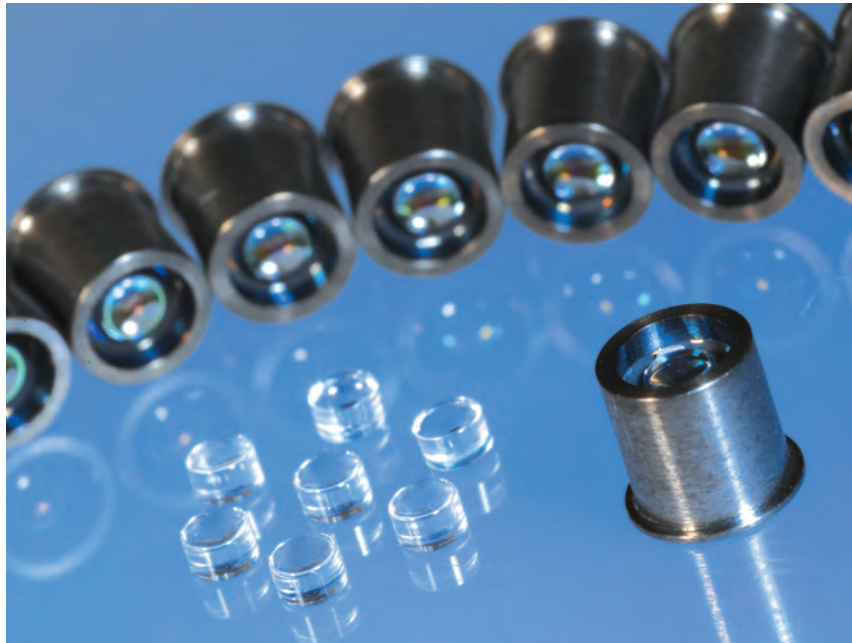
SCHOTT Aspherical Lens Caps

Product Information

SCHOTT Molded Aspherical Lens Caps are manufactured by sealing molded aspheres to metal caps with glass-to-metal sealing technology. These caps provide high coupling efficiency in regular datacom and telecom applications.

Advantages

- **Hermetically sealed using proven glass-to-metal sealing technology:** Manufactured in a similar way as ball lens caps, the seal between the asphere and the metal cap is proven to be very stable.
- **Superior hermeticity:** More than 50 years of experience in glass-to-metal sealing enables us to achieve superior hermeticity.
- **Enhanced optical properties:** The low Tg glass with high refractive index used for molding is developed and melted in-house, based on our extensive glass expertise. With design capabilities, optical designs can be modified or optimized to achieve higher efficiencies.
- **One-stop-shopping** due to vertically integrated manufacturing, from materials to components.



Preliminary Specifications

Platform:	TO46, TO56, TO39, Custom To's
Glass:	P-LaSF47
Min diameter:	1.6 mm
Max diameter:	4.0 mm
Glass properties:	-
Refractive index:	1.8061
Internal transmittance:	0.967
Transformation temp:	530° C
Density:	4.54
vd:	40.90

Applications

- TOSA lens cap for FTTx applications in Triplexers and Bi-Directionals
- Long Range TOSA modules requiring higher efficiency optics
- Specialty applications in imaging

No responsibility can be taken for the accuracy of this information. Despite the fact that all reasonable care was taken in presenting and keeping this information up to date, SCHOTT neither accepts legal responsibilities nor guarantees the completeness, accuracy and up-to-dateness of the information presented here.

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