

SCHOTT Aspherical Lens Caps

Product Information

SCHOTT molded aspherical lens caps are manufactured using our glass-to-metal sealing technology to seal molded aspheres to metal caps. These caps provide high coupling efficiency in regular datacom and telecom applications.

Advantages

- **Hermetically sealed using proven glass-to-metal sealing technology:** SCHOTT molded aspherical lens caps are manufactured similarly to ball lens caps; the seal between the aspherical lens and the metal cap has proven to be highly stable.
- **Superior hermeticity:** More than 50 years of experience in glass-to-metal sealing enables us to achieve superior hermeticity.
- **Enhanced optical properties:** Based on our extensive glass expertise, we have developed the low Tg glass with a high refractive index used for molding, and it is melted in-house. Our design capabilities enable the modification or optimization of optical designs to achieve higher efficiencies.
- **One-stop shopping** due to SCHOTT's vertically integrated manufacturing, from materials to components.



For more information:

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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