

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:

SCHOTT Electronic Packaging GmbH
Christoph-Dorner-Strasse 29
84028 Landshut
Germany

Phone: +49 (0)871/826-329
Fax: +49 (0)3641/288-89090
Tanja.Wituschek@schott.com
www.schott.com/epackaging

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