

### NOTES

#### 1) Formation of the lens barrel

Since the lenses with barrels for optical communications are integral-molded with the barrels, no further processing is possible after the assembly. Please note that if the thickness of a lens barrel is 0.25 mm or less, the barrel tends to expand during assembly. The lenses are designed on the assumption that the barrel is in a simple or a two-step cylindrical shape.

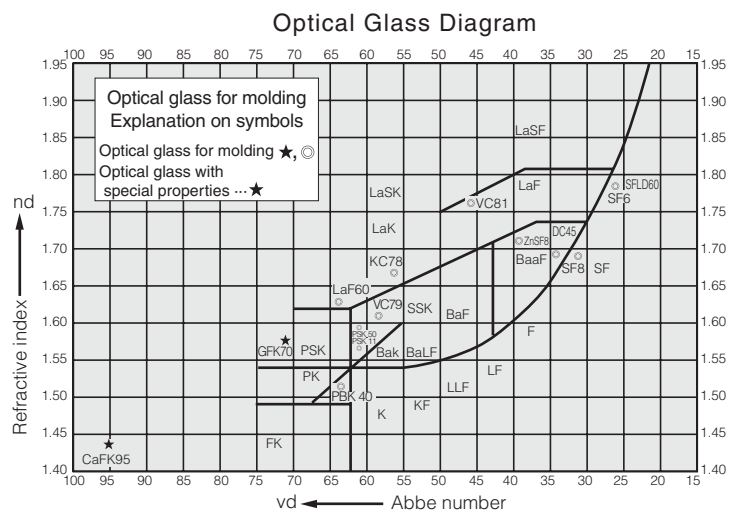
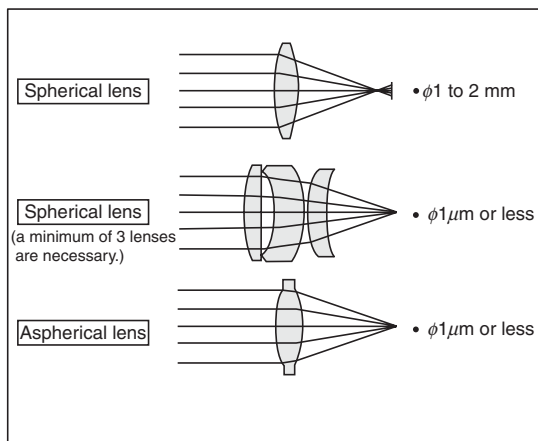
#### 2) Anti-reflective coating

- Panasonic uses only the best glass materials and applies an anti-reflective coating to achieve the highest possible performance.
- Average center wavelength of a lens' transmittance band is either 1310 or 1550 nm for optical communications. Wide wavelength (1310 to 1550 nm) and dual wavelength (980/1550) designs are available as well. Custom anti-reflective coatings are available upon request. Wide wavelength designs become increasingly prohibitive as the length of lens barrel increases.

#### 3) Custom Specification lenses

Lenses of various shapes and dimensions can be designed to meet the individual needs of customers. Please consult with Panasonic for details.

### Performance of Aspherical Glass Lens



### Production Process of Aspherical Glass Molded Lens

