

Optical Splitters

PLC Splitters



PLC Splitters are based on the planar waveguide technology. They provide a low cost power distribution solution with small form factor and high reliability

Main Specifications

- Low insertion loss
- Low PDL
- High return loss
- Uniform power splitting
- Compact design
- Wide operating wavelength
- Wide operating temperature
- Excellent environmental & mechanical stability
- Qualified under telcordia GR-1221 and GR-1209
- SC/APC standard connectors

Applications

- FTTx (FTTB, FTTH, FTTC)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- CATV systems
- Test equipments

| ITEMs | | 1xN Splitters | | | | |
|------------------------------------|------|---------------------------|--------|--------|--------|--------|
| | | 1x4 | 1x8 | 1x16 | 1x32 | 1x64 |
| Fracarro Code | | 287455 | 287407 | 287408 | 287409 | 287410 |
| Operating Wavelength | nm | 1260~1650 | | | | |
| Parameter Grade | nm | Grade S | | | | |
| MAX Insertion loss | dB | 7.6 | 10.9 | 14 | 17.2 | 20.5 |
| Uniformity (Max.) | dB | 0.6 | 0.8 | 1 | 1.5 | 2 |
| Polarization Dependent Loss (Max.) | dB | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| Return Loss | dB | ≥55 (APC type connectors) | | | | |
| Directivity | dB | ≥55 | | | | |
| Operating & Storage Temperature | °C | | | | | |
| Connectors | Type | SC/APC | | | | |

Device Schematic Drawing

