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Telegärtner

JAPAN LIMITED

OPTICAL FIBER PRODUCTS

OPTICAL NETWORKING PRODUCTS

FIBER TRANSCEIVER

OPTICAL PASSIVE COMPONENTS

STP/UTP PRODUCTS

COAXIAL CONNECTORS



PLC Splitter (1x8,1x16,1x32)

www.telegaertner.co.jp

Fused Coupler for Single Mode (1x4)

Discription

Our fused single-mode wavelength division multiplexers are manufactured using the proven fused biconical taper technology and our stringent quality procedures.

With low insertion loss and flat passband, this device is ideal for combining or separating optical signals in the 1310 and 1550 nm bands.



Parameter	1310nm or 1550nm \pm 40nm (Single Window)	1310nm & 1550nm \pm 20nm (Dual Window)
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C
Storage Temperature	-40°C ~ 85°C	-40°C ~ 85°C
Temperature Coefficient (dB/°C)	\leq 0.002	\leq 0.002
Return Loss	\geq 55 dB	\geq 55 dB
Directivity	\geq 55 dB	\geq 55 dB
Insertion Loss (Symmetrical)	\leq 7.2 dB	\leq 7.6 dB
Uniformity	\leq 1.4 dB	\leq 2.5 dB
Polarization Dependent Loss	\leq 0.15 dB	\leq 0.3 dB
Fiber Type	Corning SMF-28e	Corning SMF-28e
Package Dimension (mm)	250 μ m Fiber: ϕ 4.0 x 60(L) 900 μ m Loose Tube: ϕ 4.0 x 65(L)	250 μ m Fiber: ϕ 4.0 x 60(L) 900 μ m Loose Tube: ϕ 4.0 x 65(L)

PLC Splitter (1x8, 1x16, 1x32)

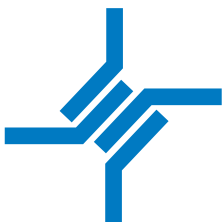
Application

- PON
- CATV
- Local Area Network
- FTTX
- Telecommunication System



Parameter	1x8 Splitter	1x16 Splitter	1x32 Splitter
Wavelength (nm)	1260 ~ 1360 / 1480 ~ 1600		
Insertion Loss (dB)	\leq 10.7	\leq 13.6	\leq 17.0
Uniformity	\leq 1.0	\leq 1.0	\leq 1.3
Polarization Dependent Loss (dB)	\leq 0.1	\leq 0.2	\leq 0.2
Return Loss (dB)	\geq 55	\geq 55	\geq 55
Operating Temperature (°C)	-40 ~ +85	-40 ~ +85	-40 ~ +85
Storage Temperature (°C)	-40 ~ +85	-40 ~ +85	-40 ~ +85
Operating Humidity (%RH)	20 ~ 90	20 ~ 90	20 ~ 90
Storage Humidity (%RH)	20 ~ 90	20 ~ 90	20 ~ 90
Package Size (mm)	40(L)x4(W)x4(H)	40(L)x4(W)x4(H)*	50(L)x7(W)x4(H)*

*Package may change without announcement.



Japan Telegärtner Limited

Shibuya-YT Bldg. 02-5F 21-3, Shinsen-cho. Shibuya-ku,
Tokyo 150-0045, Japan
TEL: 03-5790-7621 FAX: 03-5790-7622
URL: <http://www.telegaertner.co.jp>
<http://www.telegaertner.com>
e-mail: info@telegaertner.co.jp