

Data Sheet

DC204-135

December, 2005



1x4 Dual Window Wideband Coupler



DC204-135

Features

- Operating three window (1310, 1490, and 1550nm communication window)
- Suitable for constructing Passive Optical Networks.
- High reliability. (Telcordia GR-1209, GR-1221 Qualified)

Specification

Parameter	Specification
Configuration	1 x 4
Fiber type	φ0.25mm coating SM-fiber (ITU-T G.652)
Operating Wavelength	1260 ~ 1360 nm and 1480 ~ 1580 nm
Operating Temperature	-30 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Insertion Loss (dB)	Max. * ¹) ≤ 7.5 (Typ. 6.2dB)
Uniformity (dB)	Max. * ²) ≤ 1.6 (Typ. 1.1dB)
Polarization Dependent Loss (dB p-p)	≤ 0.3
Directivity (dB)	≥ 50
Return Loss (dB)	≥ 50
Size	φ2.9 x L 42(mm)

All specification not include connectors.

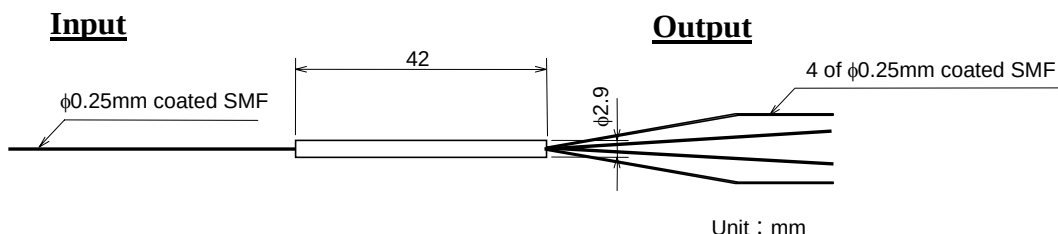
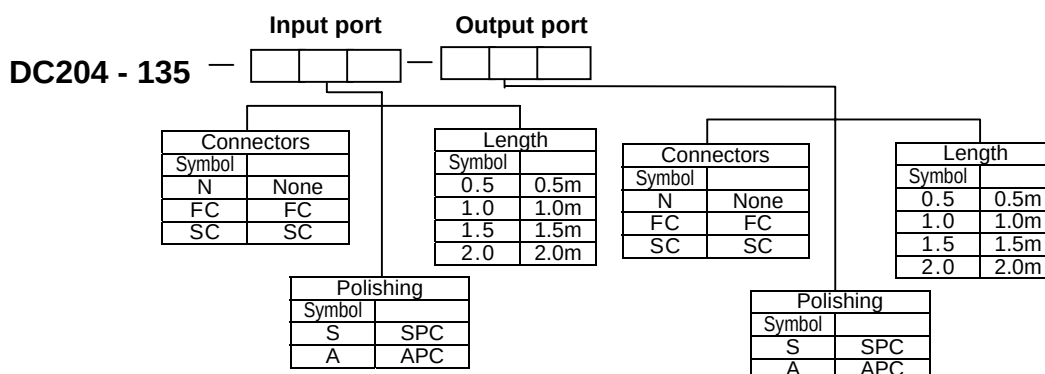
*1) Include wavelength dependent loss, polarization dependent loss and temperature dependent loss.

*2) Loss variation over 4 ports. Maximum variation over operating wavelength.

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**Mechanical Dimension****Ordering Information**

Furukawa Electric reserves the right to improve, enhance and modify the features and specifications of FITELE products without prior notifications.

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