

Dual Window Wideband Coupler



Applications

- Video signals distribution in optical CATV
- Usable for PON (Passive Optical Network)
- Signal-distribution using optical AMP

Descriptions

DC202-135 is the compact fused fiber coupler distributing optical power to 2 ports and designed for operation at wideband wavelength. DC202-135 is the best choice for constructing Passive Optical Networks.

Features

- For monitoring and splitting in optical transmission system
- Operating three windows (1310, 1490 and 1550nm communication windows)
- Small insertion loss fluctuation
 - Low wavelength dependent loss
 - Low polarization dependent loss
 - Low temperature dependent loss
- High reliability. (Telcordia GR-1209, GR-1221 Qualified)

Specifications

Parameter		Specification				
Configuration		1 x 2, 2 x 2				
Operating Wavelength		1260 ~ 1360 nm and 1480 ~ 1580 nm				
Operating Temperature		-10 ~ +70 °C				
Storage Temperature		-40 ~ +85 °C				
Split Ratio		50:50	90:10	95:5	98:2	99:1
Insertion Loss (dB)	Main port	≤ 3.70 (typ. 3.2)	≤ 0.70	≤ 0.45	≤ 0.41	≤ 0.35
	Tap port	≤ 3.70 (typ. 3.2)	≤ 11.2	≤ 14.7	≤ 19.0	≤ 21.8
Polarization Dependent Loss (dBp-p)	Main port	≤ 0.15	≤ 0.10	≤ 0.10	≤ 0.10	≤ 0.10
	Tap port	≤ 0.15	≤ 0.30	≤ 0.35	≤ 0.40	≤ 0.40
Temperature Dependent Loss (dBp-p)	Main port	≤ 0.10				
	Tap port					
Size	φ0.25mm fiber type φ0.9mm loose tube type φ2mm cable type	2x2type; φ2.9 x L45mm, 2x2type; φ2.9 x L55mm, 2x2type; φ6.5 x L82mm,	1x2type; φ2.9 x L50mm 1x2type; φ2.9 x L55mm 1x2type; φ6.5 x L82mm			

* Not including connectors in all specifications

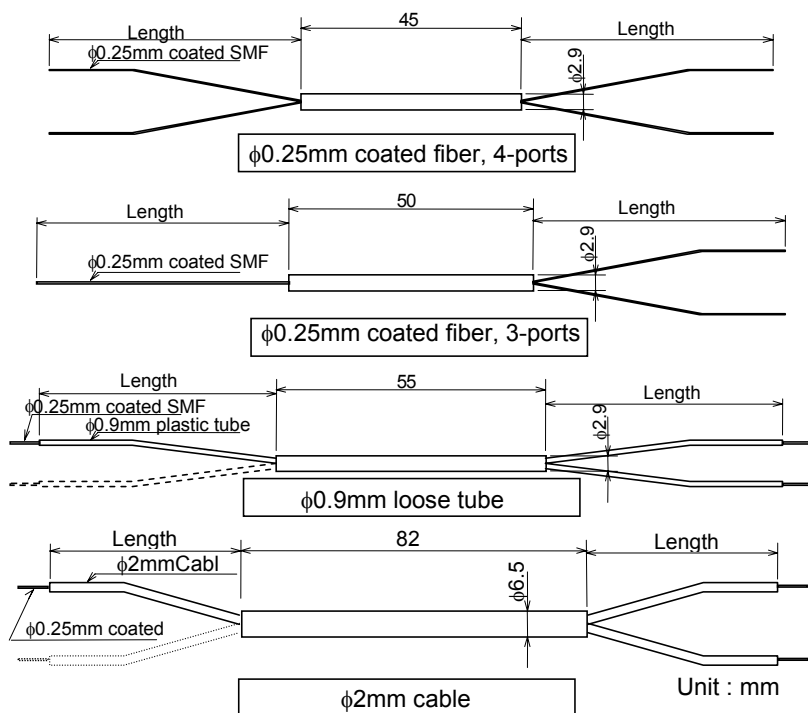
Data Sheet

DC202-135 Series

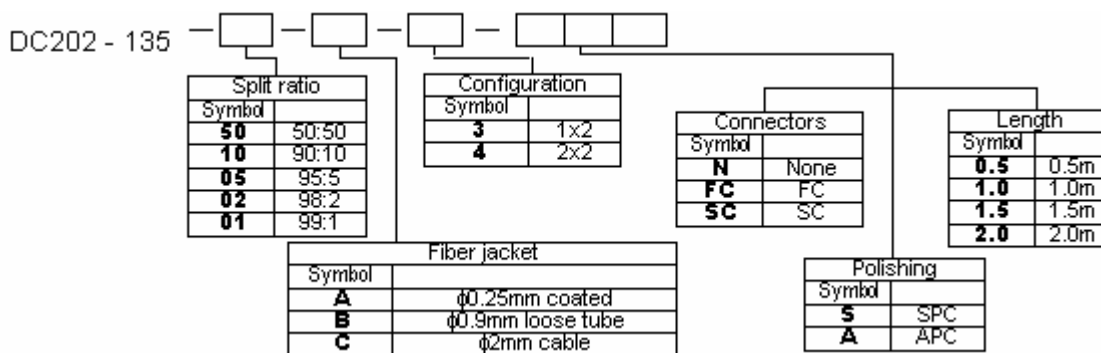
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Outline drawing



Ordering Information



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



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