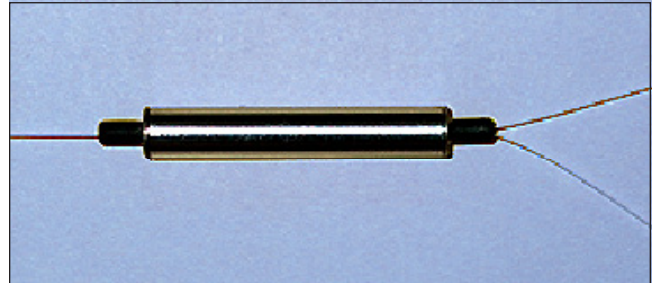


TAP COUPLER HIGH RETURN LOSS

Applications:

Instrumentation:
Return Loss Measurement
Directivity Measurement



Features:

High Return Loss
Low Insertion Loss

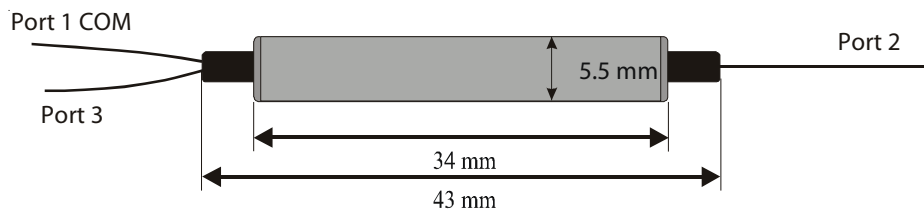
Epoxy-Free Optical Path
Wide Wavelength Operation

Exceptionally Stable and Reliable
Telcordia GR-1221 UCO Compliant

Description:

Go!Foton's High Return Loss Tap Coupler is a compact, Thin-Film-Filter based, and low signal loss component designed for splitting signal wavelength. Go!Foton's special design allows the coupler to achieve a return loss greater than 65dB. This high return loss is ideal for use with instrumentation equipment such as return loss meters. Reliability is guaranteed to fully meet Telcordia GR-1221 requirements.

Dimensions:



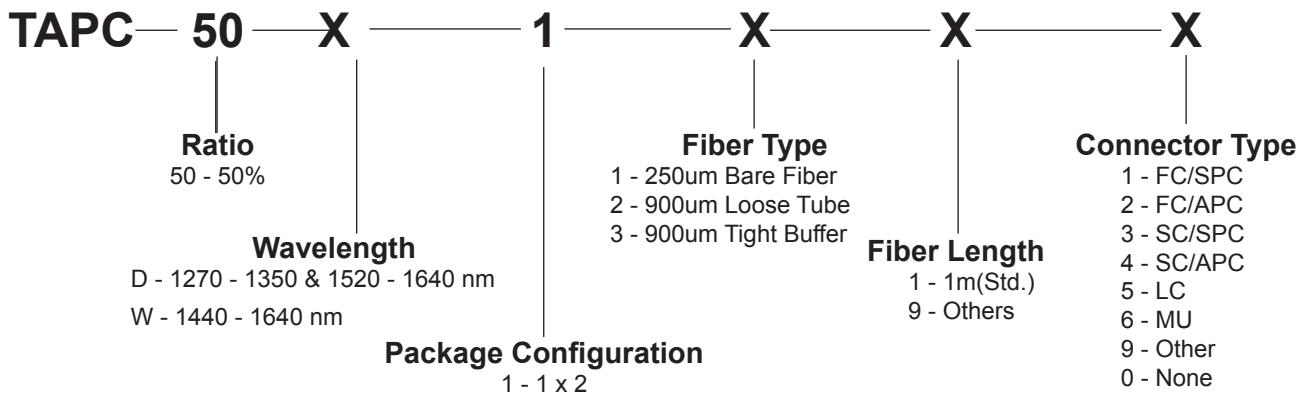
Specifications:

50/50 Coupling Ratio:

Operating Wavelength Range (λ in nm)	1270 - 1350 & 1520-1640 or 1420 - 1640
Splitter Ratio (%)	50 +/- 5
Max Insertion Loss Port 1 to Port 2 (dB)	4.0
Max Insertion Loss Port 1 to Port 3 (dB)	4.0
Optical Return Loss (dB) Port 1	65
Optical Return Loss (dB) Port 2	65
Optical Return Loss (dB) Port 3	65
Directivity (dB)	60
Optical Power Handling (mW)	<500
Operating Temperature Range (°C)	-10 to +55
Storage Temperature Range (°C)	-40 to 85
Fiber Types	SMF-28e or Equivalent
Fiber Length (m)	> 1
Package Size (mm)	250 μ m Bare Fiber: (ϕ)5.5 x (L)40 900 μ m Tight Buffer: (ϕ)5.5 x (L)40

All specifications are without fiber connectors.

Ordering Information:



Example: TAPC - 50 - D - 1 - 1 - 1 - 1

Tap Coupler, 50/50 Tap Ratio, Dual Window 1270 ~ 1350 and 1520 ~ 1640, 1 x 2 Configuration, SMF-28e 250um Bare Fiber, 1m with FC/SPC Connector on all port

Document # - GF-S-MKT-HRTP-REV6-09-09