



FCM | Fiber Coupler Module



The QAMnet FCM Series of Fiber Coupler Modules are built with highly reliable High Temperature Fused Fiber technology. These ruggedized and easy to use devices are suitable for both lab and field applications. FCM series come with two operating wavelength ranges: standard version (1550nm) for HFC forward path applications or dual wavelength range version (1310nm and 1550nm) for broadband applications.

FCM series are fitted with standard SC/APC connectors or other type of connector can be customized for your specific requirements.

Features

- Low insertion loss
- Precise split ratio
- Reliable and durable with rugged construction
- Broad wavelength operation for 1310nm/1550nm
- Operating temperature range from -40 °C to + 60 °C

Ordering Information

- FCM-xxxx-y-z
- xxxx: 5050 - coupling ratio 50/50
6040 - coupling ratio 60/40
7525 - coupling ratio 75/25
9505 - coupling ratio 95/05
Other - custom ratio are available
- y:
 - s: standard wavelength for 1550nm
 - d: dual window for 1310nm and 1550nm
- z:
 - d: d package
 - m: m package



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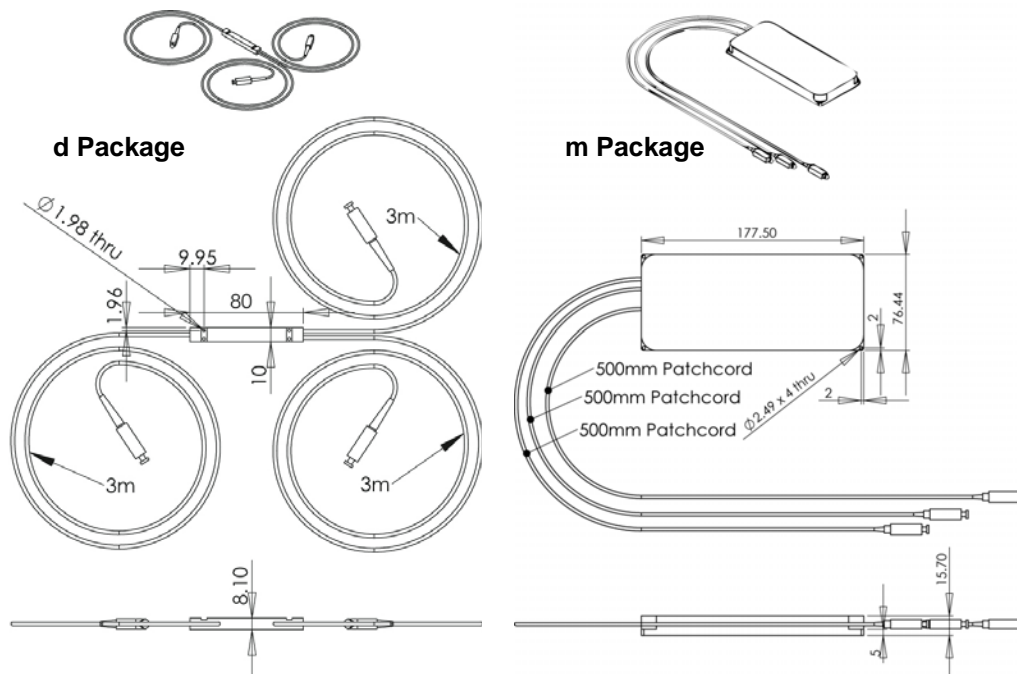
Technical Specifications

Model Number	FCM – s (standard)	FCM-e (extended)
Operating Wavelength Range	1525 nm - 1570 nm	1280nm – 1570nm
Split Ratio Tolerance	± 2% Maximum	+/-3% Maximum
Excess Loss	0.6 dB Maximum	0.75dB Maximum
Polarization Dependent Loss	0.1 dB Maximum	0,15 dB Maximum

Mechanical Specification

Operating Temperature Range	-30 to +70 °C
Fiber Type	SMF-28
Jacket Type	3mm
Connectors	SC/APC

Split Ratio	P1 Loss	P2 Loss
50/50	3.5 dB	3.5 dB
60/40	2.5 dB	4.4 dB
75/25	1.7 dB	6.7 dB
95/05	0.6 dB	14.3 dB



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