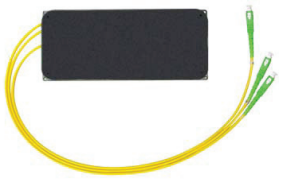
Fiber Coupler Module

The QAMnet FCM Series of Fiber Coupler Modules are built with highly reliable High Temperature Fused Fiber technology.

FCM Fiber Coupler Module



Product Description

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 1310 nm/1550 nm
- Operating temperature range from -40°C to + 60°C

Applications

✓ HFC ✓ FTTH ✓ RFoG ✓ Deep Fiber Applications

PRODUCT SPECIFICATIONS

Optical Specifications

Operating Wavelength Range	Standard 1525 nm - 1570 nm; Extended 1280nm – 1570nm
Split Ratio Tolerance	Standard ± 2% max.; Extended +/-3% max.
Excess Loss	Standard 0.6 dB max.; Extended 0.75dB max.
Polarization Dependent Loss	Standard 0.1 dB max.; Extended 0,15 dB max.

Mechanical Specifications

Operating Temperature Range	-30 to +70 C	
Fiber Type	SMF-28	
Jacket Type	3mm	
Connectors	SC	
Device Dimensions	76mm (L) x 8mm (W) x 8mm (H)	
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

Ordering Information

	FCM-xxxx-y-z
xxxx	5050, 50/50 Coupling Ratio 6040, 60/40 Coupling Ratio 7525, 75/25 Coupling Ratio 9505, 95/05 Coupling Ratio, or user customized
y	s, standard wavelength for 1550 nm d, dual window for 1310 nm and 1550 nm
z	d, d package m, m package

QAMnet 5110 N 44th St, Ste 200L, Phoenix AZ 85018
optilab.com 877-303-3888 602-343-8217 sales@qamnet.com