



Coarse Wavelength Division Multiplexers (GK-CWDM Series)

● Description

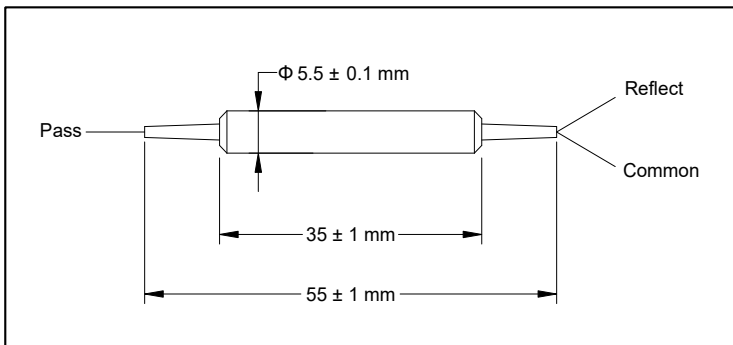
The Coarse Wavelength Division Multiplexer series is designed and manufactured to Telcordia standard. The devices use environmentally stable thin film filter and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation and excellent environmental stability. They can be used individually to perform single channel add or drop function or can be cascaded into sequence for multi-channel applications in CWDM systems.

● Specifications

Parameter	Unit	Value
Filter Type	-	Half Band Full Band
Operating Wavelength Range	nm	1460 - 1620 1260 - 1620
Center Wavelength	nm	1470,1490,1510,1530,1550,1570,1590,1610
Min. 0.5 dB Pass Bandwidth	nm	13
Max. Transmission Insertion Loss	dB	0.6
Max. Reflection Insertion Loss	dB	0.5
Min. Adjacent Ch. Isolation	dB	25
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.1
Thermal Stability	dB/°C	0.005
Max. Optical Power (Continuous Wave)	mW	300
Fiber Type	-	SMF-28 Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

● Package Dimensions



● Ordering Information

GK-CWDM-①-②-③-④-⑤

①: Center Wavelength

1470 - 1470 nm
 1490 - 1490 nm
 1510 - 1510 nm
 1530 - 1530 nm
 1550 - 1550 nm
 1570 - 1570 nm
 1590 - 1590 nm
 1610 - 1610 nm
 SS - Specify

②: Connector Type

1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 N - None
 S - Specify

③: Fiber Jacket

B - 250 μm Bare Fiber
 L - 900 μm Loose Tube
 S - Specify

④: Fiber Length

1 - 1.0 m
 S - Specify

⑤: Filter Type

H - Half Band
 F - Full Band