

980/1550/1590nm WDM/Isolator PM Hybrid Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging
- Metro NetworksCATV Networks

APPLICATIONS

Broadband Systems

Optical Amplifying Systems

Telecommunication Networks



SPECIFICATIONS

| Parameters | | Unit | Single Stage | Dual Stage | | |
|--------------------|----------------------------|------|---|------------|--|--|
| Signal Wavelengt | h Dango) 1 | nm | 1530-1570 (C-Band) | | | |
| | II Kaliye XI | | 1570-1610 (L-Band) | | | |
| Pump Wavelength | n Range λ2 | nm | 960-990 | | | |
| Insertion Loss | Signal Channel@λ1 | dB | ≤1.3 | ≤1.4 | | |
| | Pump Channel@λ2 | dB | ≤0 | .8 | | |
| Signal Isolation (| Signal Channel@λ1) | dB | ≥28 | ≥45 | | |
| Wavelength | Signal Channel@λ2 | dB | ≥30 | | | |
| Isolation | Pump Channel@λ1 | dB | ≥12 | | | |
| Optical Return Lo | SS | dB | ≥45 | | | |
| Extinction Ratio | | dB | ≥18 | | | |
| Work Mode | S Туре | - | Can only work in Slow Axis | | | |
| | F Туре | - | Can Work Both in Slow Axis and Fast Axis | | | |
| | | - | PM1550 Panda Fiber, 10/125um PMDC Fiber (O) | | | |
| Fiber Type | Common & Signal Port | | 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) | | | |
| | | | 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G) | | | |
| | Pump Port | | Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber | | | |
| Fiber Tensile Load | t | Ν | 5 | | | |
| Max. Optical Powe | er (CW) | mW | 300 | | | |
| Operating Tempe | rature | °C | 0~70 | | | |
| Storage Tempera | ture | °C | -40~85 | | | |
| Package | Stainless Steel Tube (SST) | mm | (Ø)5 | .5x35 | | |
| Dimension | Metal Box | mm | (L)120x(W | /)12x(H)10 | | |

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only

work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

| FPHW-9 | 8(<mark>C)C</mark> | С | - C | С | (<mark>C</mark>) | - (<mark>C</mark>) | С | С | NN | -CC/CCC |
|-------------------------|------------------------------|------------|------------------------|--------------------------------|-----------------------|----------------------|---------------------|----------------------------|-----------------------|-------------------------|
| Signal | Stage | Ритр Туре | Work Mode | Pump Fiber | Comm Fiber | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
| Wavelength | <mark>S=</mark> Single Stage | F= Forward | <mark>S=</mark> S Type | Y=Same Fiber | P=PM980 Fiber | M=Metal Box | 2=PM1550Fiber | <mark>B=</mark> Bare fiber | <mark>05=</mark> 0.5m | N=Without Connector |
| L=L Band | D=Dual Stage | B=Backward | F= F Type | P=PM980 Fiber | <i>Blank</i> for Same | <i>Blank</i> for SST | 0=10/125 PMDC Fiber | L= Loose Tube | <mark>10</mark> =1.0m | FC/APC=FC/APC Connector |
| <i>Blank</i> for C Band | | | | H=HI1060 Fiber | Fiber | | T=12/130 PMDC Fiber | <mark>2=</mark> 2mm Cable | <mark>15</mark> =1.5m | LC/PC=LC/PC Connector |
| | | | | <mark>S=</mark> Corr. SM Fiber | | | G=25/300 PMDC Fiber | <mark>3=</mark> 3mm Cable | <mark>20</mark> =2.0m | SC/UPC=SC/UPC Connector |

