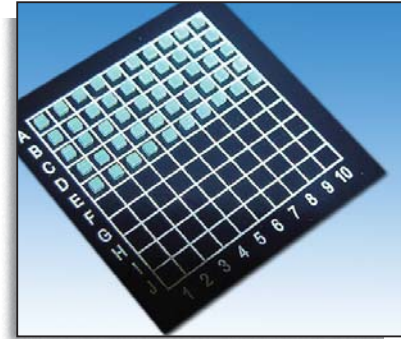


FTTH Triplexer Thin Film Filter Set



Specifications

Parameter	Units	Specifications		
		1310nm + 1480nm Pass / 1550nm Reflection	1480nm Pass / 1310 + 1550nm Reflection	1550nm Pass / 1310 + 1480nm Reflection
Angle of Incidence (AOI)	degree	45 ± 1.5	0	0
Pass Band	nm	1260~1360 & 1477~1503	1477 ~ 1503	1547 ~ 1563
Reflection Band	nm	1547 ~ 1563	1260~1360 & 1547~1563	1260~1360 & 1477~1503
Insertion Loss	dB	≤ 0.3 AOI= 45°, 1260 ~ 1360nm S_ and P_ Polarization	≤ 0.2 (1477 ~ 1503nm)	≤ 0.2 (1547 ~ 1563nm)
		≤ 0.3 AOI= 46.5°, 1477 ~ 1503nm S_ and P_ Polarization		
Transmission Isolation	dB	≥ 20 AOI= 43.5°, 1547 ~ 1563nm P_ Polarization	≥ 40 (1260 ~ 1360nm)	≥ 40 (1260 ~ 1360nm)
			≥ 30 (1477 ~ 1563nm)	≥ 30 (1477 ~ 1503nm)
Reflection (AR on back surface)	%	≤ 1 AOI= 45°, 1260~1360 & 1477 ~ 1503nm	≤ 0.25 (1477 ~ 1503nm)	≤ 0.25 (1547 ~ 1563nm)
Refractive Index of Ambient Medium	-	1.0	1.0	1.0

Features / Benefits

- Wide passband
- High isolation
- Compact size

Applications

- FTTH triplexer

Physical Characteristics

Parameter	Units	Specifications
Size (Length × Width)	mm	1.4 × 1.4 ± 0.1
Thickness	mm	0.55 ± 0.05
Surface Quality (Scratch / Dig)		60 / 40
Front/Back Side Chipping	mm	≤ 0.1
Operating Temperature Range	°C	-40 ~ +85
Storage Temperature Range	°C	-40 ~ +85

Ordering Information

F T T H T F 0 0 0 0 0

Angle of Incidence

- 1: AOI= 45°, 1310+1480nm pass / 1550nm reflection
- 2: AOI= 0°, 1480nm pass / 1310+1550nm reflection
- 3: AOI= 0°, 1550nm pass / 1310+1480nm reflection

Size

- S= 1.4 x 1.4 x 0.55mm
C= custom

This product information is subject to change without notice.