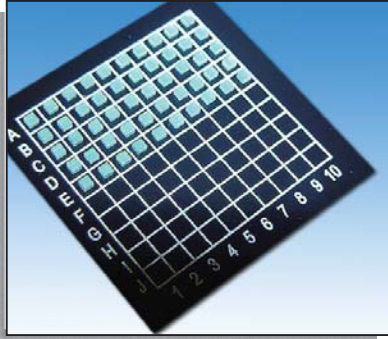


100GHz Thin Film Filter



Features / Benefits

- Wide passband
- Low insertion loss
- High channel isolation

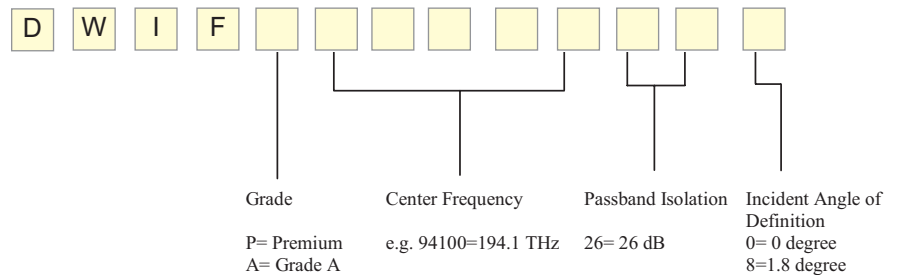
Applications

- DWDM networks

Specifications

Parameters	Units	Specifications		Notes
		Grade A	Premium	
Channel Spacing	GHz	100		
Operating Wavelength Range	nm	C+L band		
Center Wavelength	nm	C+L Band ITU grid		@ AOI= 1.8°
Pass Bandwidth (@ -0.5dB from peak)	nm	≥ 0.4	≥ 0.42	
Insertion Loss	dB	≤ 0.8	≤ 0.8	
Stop Bandwidth (@ -26dB)	nm	≤ 1.2	≤ 1.15	
Angle of Incidence (AOI) @ Defining Parameter	degree	0	0	
Scattering	dB	≥ 60	≥ 60	@ 0.25° acceptance angle
Polarization Dependent Loss (PDL)	dB	≤ 0.05	≤ 0.05	
CW Temperature Sensitivity	pm/°C	≤ 1.5	≤ 1.5	
Reflection Insertion Loss	dB	≤ 0.2	≤ 0.2	
Reflection Isolation Within Passband (PBR)	dB	≥ 13	≥ 13	
Reflection (AR on back surface)	%	≤ 0.20	≤ 0.20	
Substrate Material		High Quality Optical Glass		
Substrate Wedge Angle	degree	~ 0.5		
Length × Width × Thickness	mm ³	1.4 × 1.4 × 1.0		+/- 0.1
Surface Quality (Scratch/Dig)		< 40/20		
Operating Temperature Range	°C	-5 to +70		
Storage Temperature Range	°C	-40 to +85		

Ordering Information



This product information is subject to change without notice.