

**Fiber Bragg Grating Sensor***Product Information***FEATURE**

This type of Fiber Bragg Grating is specially designed with narrow reflective bandwidth to allow for easy detection of center wavelength shifts, and ideal for sensor application.

**SPECIFICATIONS**

<i>Characteristics</i>	<i>Conditions</i>	<i>Specified Values</i>	<i>Unit</i>
Center wavelength	C-band	Available upon request	
Center wavelength tolerance	@25°C	± 0.2	{ nm }
Reflective bandwidth	-0.5 dB	< 0.1	{ nm }
	-3 dB	< 0.3	{ nm }
Reflectivity		> 90	{ % }
Side lobe suppression		> 15	{ dB }
PDL		< 0.2	{ dB }
Operation temperature		-5 ~ 70	{ °C }
Packaging type		Acrylic recoating or bare	
Fiber used		Standard G652	
Pigtail length		1 m each side	
Fiber tensile strength		100	{ kpsi }
Fiber diameter		9/125/250	{ μ m }
Grating location		Center	

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