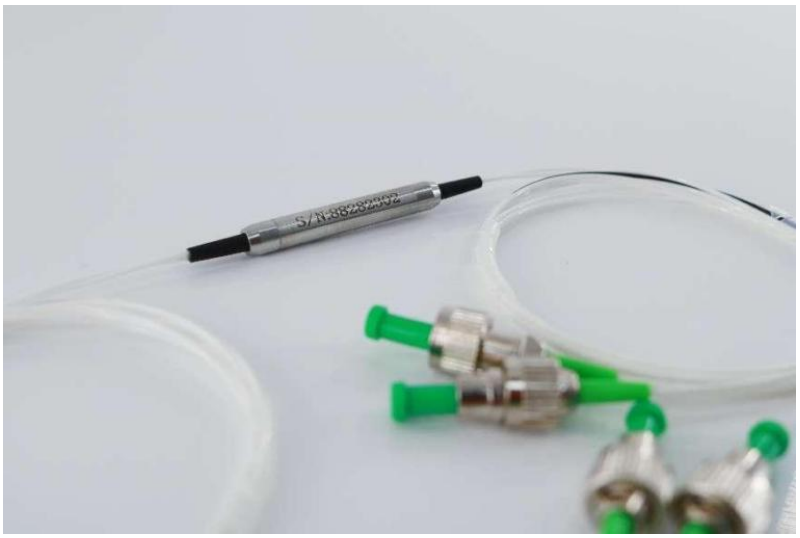
840±123nm Ultra-Wideband Single-Mode Fiber Coupler (OCT Field)



Product Description

840±123nm Ultra-Wideband SM Fiber Coupler (OCT Field)

Product features

Broadband low dispersion; OCT optimization design; Nano level optical path matching; Live detection level stability; Medical clean packaging

Part Number

MP-UWFBC-840-A-2-50/50-SA

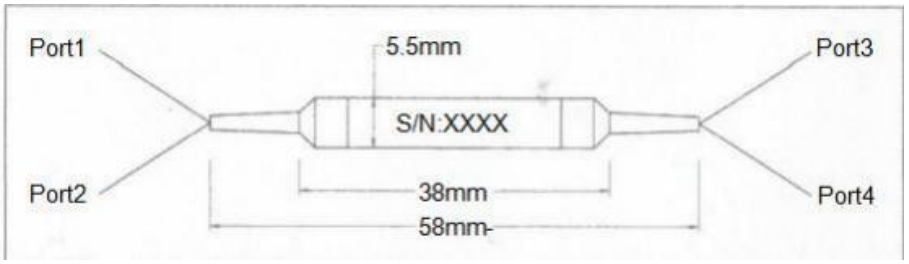
Application area

Optical coherence tomography | Biomedical detection | Ophthalmic diagnosis | Dermatology imaging | Development of research grade OCT system

Core parameters

Center Wavelength	Port Configuration
850nm	2x2

Dimension Drawing



General Parameters

Parameter	Unit	Specs	Data
Port Configuration	/	2x2	2x2
Central Wavelength	nm	850	850
Operating Wavelength	nm	720-980	720-980
Max. Insertion Loss (Port 1 to Port 2 and Port 3)	dB	4.7/4.7	3.40/3 .30
Coupling Ratio (Port 1 to Port 2 and Port 3)	%	50%/50%	49.4%/50 .6%
Max. Insertion Loss (Port 4 to Port 3 and Port 2)	dB	4.7/4.7	3.37/3 .57
Coupling Ratio (Port 4 to Port 3 and Port 2)	%	50%/50%	51.2%/48 .8%
Max. Excess Loss (Port 1 to Port 2 and Port 3)	dB	1.7	0.33
Max. Excess Loss (Port 4 to Port 3 and Port 2)	dB	1.7	0.45
Max. PDL (Port 1 to Port 2 and Port 3)	dB	0. 1	0.02
Max. PDL (Port 4 to Port 3 and Port 2)	dB	0. 1	0.02
Min. Return Loss	dB	45	56
Fiber Type	/	780-OCT	
Fiber Protection Sleeve	/	900μm fiber jacket (white)	
Fiber Length	m	1.0±0.01	
Connector Type	/	FC/APC	
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	℃	0 to 70	
Storage Temperature	℃	-40 to 85	
Packaging Dimensions	mm	ϕ5.5xL38	