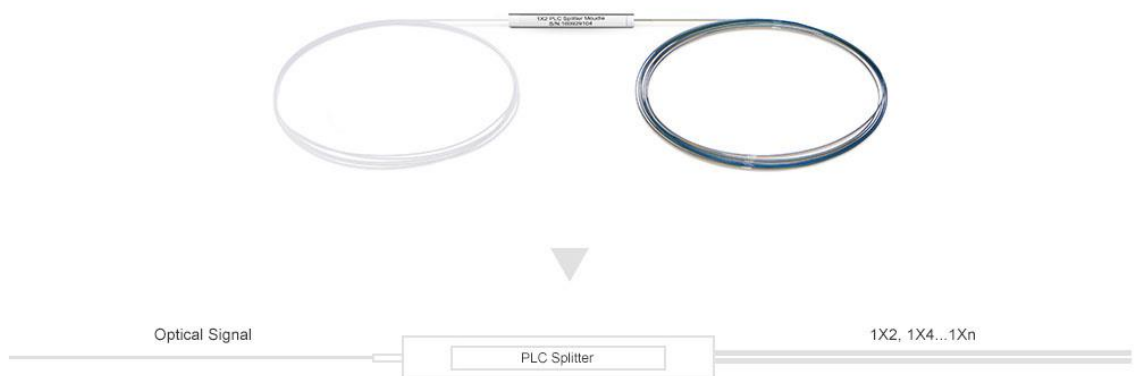




Singlemode Standard Coupler



Shenzhen Optostar Optoelectronics Co., Ltd

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Overview

OPTOSTAR' Singlemode Dual Window Coupler 1x2, 2x2 offer very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99, fiber type 250um bare fiber, 3mm and 900um loose tube fiber are available with very tight uniformity in a wide wavelength range of both 1310 nm and 1550 nm windows. Singlemode dual window coupler find extensive application to perform power splitting and monitoring functions in all kinds of optical communication systems.

Product Features

- Low Excess Loss
- Various Coupling Ratio
- Compact Size
- High Stability and Reliability

Technical Parameter

Single Standard Couplers		
Grade	P Grade	A Grade
Coupling Ratio (%)	50/50	50/50
Excess Loss (Typical) (dB)	0.07	0.1
Maximum Insertion loss (dB)	3.4	3.5
Polarization Sensitivity (dB)	0.15	0.2
Operating Wavelength (nm)	1310,1480,1550 or custom wavelength	
Single Wideband Couplers		
Grade	P Grade	A Grade
Coupling Ratio (%)	50/50	50/50
Excess Loss (Typical) (dB)	0.07	0.1
Maximum Insertion loss (dB)	3.4	3.6
Polarization Sensitivity (dB)	0.15	0.2
Operating Wavelength (nm)	1310±40,1550±40,or custom wavelength	
Coupling Ratio (%)	1~50	
Directivity (dB)	≥55	
Operating Temperature(°C)	-20~+80	
Storage Temperature(°C)	-40~+85	
Fiber Type	Corning singlemode SMF-28,DS fiber or flexcore	
Fiber Pigtail Length (m)	1	
Port Configuration	1x2 or 2x2	
Dimensions (mm)	Package D,E,F,G	

- 1、Above specifications are for devices without connector.
- 2、Specifications may change without notice.

Application

- Long-haul Telecommunications
- CATV Systems & Fiberoptic Sensors
- Local Area Network
- FTTH & LAN

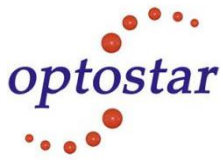
Order Information

Description
Singlemode Standard Coupler
<p>Note:</p> <p>Type: Singlemode Standard Coupler, Singlemode Wideband Coupler</p> <p>Grade: P,A</p> <p>Coupling Ratio: 50/50,30/70,10/90,5/95,1/99,Other</p> <p>Port: 1×2,2×2</p> <p>Package: D type,E type,F type,G type</p> <p>Pigtail Style: Bare Fiber,900μm Jacket,3mm Cable</p> <p>Fiber Type: SMF-28</p> <p>Connctor: None,FC/APC,FC/PC,SC/APC,SC/PC,ST,LC,custom</p> <p>Wavelength: 830nm,850nm,980nm,1310nm,1480nm,1550nm,1585nm</p>

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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