

TELECOM PRODUCTS

COUPLERS/SPLITTERS/WDM

FUSED COUPLERS

SofeTEK Truly fused dual window couplers are specially designed and optimised for Fibre to the Home (FTTH) applications. Manufactured using a state of the art Fused Biconical Taper process (FBT), these couplers exhibit uniform performance over the entire optical band from 1260-1630nm with near zero excess loss. The epoxy free optical path of SofeTEK Truly fused couplers provides good power handling capability.

SofeTEK fused couplers use highly reliable and specialised packaging technology, providing excellent thermal stability and long life. The advanced packing ensures very good stability under vibration and impact, making these couplers ideal for outdoor applications.

Parameters	Single window				Dual window				FTTH Bands			
	Narrowband Single Window		Wideband Single Window		Narrowband Dual Window		Wideband Dual Window		FTTH Compliant		Ultra Broad Band	
Operating Wavelength	1310±20nm or 1550±20nm		1310±40nm or 1550±40nm		1310±20nm & 1550±20nm		1310&1550 (±40nm)		1310±40nm 1490±10nm &1550±40nm		1260-1630nm	
Grade	Premium Standard											
Excess Loss:Typical	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB
IL Max	7.2dB	7.4dB	7.3dB	7.5dB	7.3dB	7.5dB	7.4dB	7.5dB	7.2dB	7.4dB	7.4dB	7.5dB
Uniformity, Max	1.3dB	1.4dB	1.5dB	1.6dB	1.6dB	1.8dB	1.7dB	2dB	1.4dB	1.7dB	1.8dB	2.1dB
PDL max over the Operating band	0.25dB	0.25dB	0.25dB	0.25dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB
Back Reflection	≤-50dB											
Operating Temperature	-40 to + 85°C											
Fibre Type	Corning SMF - 28e											
Dimensions.LD	2.9mm(dia)X51mm(L), bare Fibre											
Dimensions.MD	3.9mm(dia)X76mm(L), 900µm Hytrel											



FUSED WDM

SofeTEK high performance WDMs, are used for multiplexing two different signals into a single Fibre or to separate into two signals having separate wavelengths, from an incoming Fibre. SofeTEK 1310/1550 WDM can be applied in single Fibre bi-directional communication systems. The 980/1550nm WDMs are used in Erbium doped Fibre amplifiers (EDFA), for multiplexing signal and pump power. They are available in different packaging types and connector varieties, to meet your requirement.

Features

- Low insertion loss
- low polarization dependent loss
- Good environmentally stability
- Broadband Transfer
- High Stability and Reliability

Applications

- Telecommunications
- Fibre AmpliFibre
- WDM System
- Bi-directional Network
- Optical Communication Equipment



ORDERING INFORMATION

