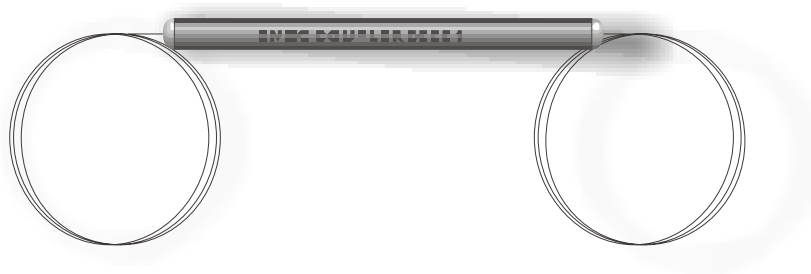




Specification
of
1x3/1x4/1X8 SINGLE MODE COUPLER(SFC)
SFC-xxxxxxxxxUM Series



Universal Microelectronics
Photonics Division
Catalog 2008~ 2009



1x3/1x4/1X8 SINGLE MODE COUPLER(SFC)

Features

- Low PDL
- Low Insertion Loss
- Excellent Uniformity
- High Directivity
- Highly Stable and Reliable

Applications

- Telecommunications
- Local Area Network (LAN)
- Passive Optical Network (PON)
- Cable TV
- Fiber sensors

Product Characteristics Performance

Type	1x3		1x4		1x8	
	Premium	A Grade	Premium	A Grade	Premium	A Grade
Wavelength(nm)	1310 ± 40, 1490 ± 10 and 1550 ± 40					
Insertion Loss(dB)(Max.)	5.6	6.0	7.5	8	11	12
Uniformity(dB)(Max.)	1.2	1.4	1.4	1.8	2	2.5
PDL(dB)(Max.)	0.2	0.25	0.25	0.30	0.4	0.45
Directivity(dB)(Min.)	50					
Operating Temperature	- 40 ~ 85					

- Special dimension upon request.

Mechanical outline

Package type	Housing type	Dimension	Pigtail style
Type B (1x3/1x4)	Steel tube	3mm(Ø) x 54mm (L)	250 μ m bare fiber
Type B (1X8)	Steel tube	4mm(Ø) x 84mm (L)	250 μ m bare fiber
Type L (1X3)	Steel tube	3mm(Ø) x 60mm (L)	900 μ m loose buffered fiber
Type L (1X4)	Steel tube	4mm(Ø) x 65mm (L)	900 μ m loose buffered fiber

- The dimension of type G package will depend on output port number, below LGX compatible housing is just for reference.
- We also provide LGX compatible chassis, please see our chassis specification.



Ordering Information

SFC-X-X-XX-X-X-X-X-X-UM

