

FOV0xx-PLC

OPTICAL SPLITTER

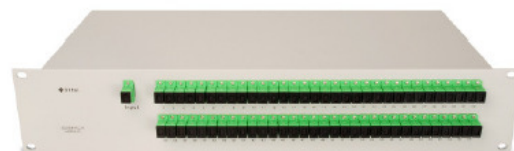
Application

- ▶ Distribution of optical signals in
 - CATV networks
 - Fiber To The Home (FTTH) Point-to-Point networks
 - Passive Optical Networks (PON, GEAPON, GPON) with RF-Overlay, DATA @1310nm/1490nm and CATV@1550nm



Features

- ▶ Wavelength flattened design
- ▶ PLC- and TFF- based
- ▶ Optimized for 1260nm – 1650nm wavelength window
- ▶ Low insertion loss
- ▶ Highest port uniformity
- ▶ High Reliability
- ▶ Available in
 - compact housing with pigtails
 - 19" – 1U or 2U housing with adaptors
- ▶ Optical connectors:
 - LC/APC
 - SC/APC



Types: FOV
004
008
016
032
064

Performance Data	Unit					
Wavelength ranges	[nm]	1260nm – 1650nm				
Configuration input:output	ratio	1:4	1:8	1:16	1:32	1:64
Typical insertion loss @ 1310nm/1550nm ¹⁾	[dB]	7.1	10.4	13.6	16.8	19.7
Maximum insertion loss @ 1310nm/1550nm ¹⁾	[dB]	7.4	10.7	13.9	17.2	20.1
Maximum PDL @1310nm/1550nm	[dB]	0.3	0.3	0.3	0.3	0.3
Uniformity	[dB]	< 0.8	< 1.0	< 1.4	< 1.6	< 1.6
Return Loss	[dB]	≥55				
Operating temperature	[°C]	-40 to +85				
Storage temperature	[°C]	-40 to +85				
Humidity	[%]	0 to 90 RH non condensed				
Compliance		Telcordia GR-1209-CORE, GR-1221-CORE				
Fiber	diam/l	Ø0,9mm / l=0,8m				
Housing	Compact	yes	yes	yes	yes	---
	19"	---	---	1 rack unit [U]	1 rack unit [U]	1 or 2 rack unit [U]
	BK module	1BK	1BK	---	---	---

1) excluding connector loss

Ordering information:

Type	Splitting	Type	Housing	Connector
FOV	004	-PLC	-H (19" housing only for 008 / 016 / 032 / 064)	-LC/APC
	008		-BK (BK housing only for 004 / 008)	-SC/APC
	016		none if compact housing	
	032			
	064			