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RAYCORE

Q3-S213 V2.2E

Specification of 1xN/2xN Fused Splitter for LGX Module

Part Number: ASPA-10xx-xx000-00



The Raycore fused dual window wideband fiber 1xN splitters provide accurate optical signal coupling and splitting over wide bandwidth with high performance and high reliability. These splitters have excellent uniformity, low excess loss and very low polarization sensitivity and are available with various tap ratios, fiber types, and connector options. All devices are tested according to industry standard procedures. Reliability is guaranteed through stringent tests to fully meet Telcordia GR-1221 requirements.

Features

- Low Insertion loss
- Low PDL
- Good channel-to-channel uniformity
- Dual Wide Operating Wavelength: 1310±40nm and 1550±40nm
- Wide Operating Temperature: from -40°C to 85°C
- High Reliability and Stability

Applications

- FTTX Systems
- CATV Links
- Optical Signal Distribution

Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS



Specifications

Parameters	1x2/2x2	1x2 (Tap)	1x3	1x6
Operating Wavelength (nm)	1310±40nm and 1550±40nm			
Insertion Loss (dB)	3.6	See Notes	5.8	9.6
Loss Uniformity (dB)	0.7	0.7	0.9	1.2
Return Loss (dB)	50			
Polarization Dependent Loss(dB)	0.1	Signal: 0.15 Tap: 0.20	0.3	0.35
Directivity (dB)	50			
Optical Input Power Max. (mW)	500			
Operating Temperature (°C)	-40~85			
Storage Temperature (°C)	-40~85			
Width of LGX Module	1 Slot	1 Slot	1 Slot	2 Slot

Notes: 1x2 (Tap) Insertion Loss (dB)

Coupling Ratio	Signal	Tap
99/01	≤0.25	18.0-22.5
95/05	≤0.45	11.8-15.0
90/10	≤0.65	9.60-11.30
85/15	≤0.98	7.80-9.40
80/20	≤1.25	6.50-7.85
75/25	≤1.60	5.50-6.80
70/30	≤2.00	4.70-6.00
65/35	≤2.10	4.30-5.20
60/40	≤2.70	3.50-4.70
55/45	≤3.00	3.00-4.20



Ordering Information

Part Number	Description
ASPA-X0N2-EQ000-00 X: 1,2 N: 2, 3, 6	X x N Fuse Splitter for LGX Module Type with SC/APC connector
ASPA-X0N1-EQ000-00 X: 1,2 N: 2, 3, 6	X x N Fuse Splitter for LGX Module Type with SC/PC connector
ASPA-1022-xx000-00 xx: Coupling Ratios	1x 2 Fuse Tap Splitter for LGX Module Type with SC/APC connector
ASPA-1021-xx000-00 xx: Coupling Ratios	1x 2 Fuse Tap Splitter for LGX Module Type with SC/PC connector

* Coupling Ratios: (xx)

01= 1:99, 05= 5:95, 10= 10:90, 15= 15:85, 20= 20:80, 25= 25:75, 30= 30:70, 35=35:65, 40= 40:60, 45= 45:55

