



## PRODUCT SPECIFICATION

PLC Advanced Quality

### SPLITTERS PREMIUM\*

#### DESCRIPTION

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PLC Splitter is based on the planar waveguide technology. It provides a low cost power distribution solution with small form factor and high reliability.

#### FEATURES

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- Low insertion loss
- Low PDL
- High return loss
- Uniform power splitting
- Compact design
- Wide operating wavelength
- Wide operating temperature
- Excellent environmental & mechanical stability
- Qualified under telcordia GR-1221 and GR-1209

#### APPLICATIONS

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- FTTx (FTTB, FTTH, FTTC)
- Passive optical networks (PON)
- Local area networks (LAN)
- CATV systems
- Test equipments



## SPECIFICATIONS 1 × N SPLITTERS

Parameter	Unit	Value						
Operating Wavelength	nm	1260~1650						
Product Type		1×2	1×4	1×8	1×16	1×32	1×64	
Insertion Loss	Typ.	dB	3.6	6.8	10.2	13.5	16.5	20.0
	Max.	dB	4.3	7.2	10.6	13.8	17.1	21.4
Uniformity (Max.)	dB	0.5	0.3	0.5	0.7	1.0	1.5	
PDL(Max.)	dB	0.1	0.1	0.1	0.2	0.2	0.2	
TDL(Max.)	dB	0.5						
Return Loss	dB	≥55(APC type connectors) / 50(UPC type connectors)						
Directivity	dB	≥55						
Operating & Storage Temperature	°C	-40~+85						

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB.

### Revision History:

Revision	Date	Author	Description
V1.0	17-06-20	JGN	Initial Document

### Note

Nexgen reserves the right to change this document without notice.





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