

LGX CASSETTE PLC SPLITTER

REFERENCE VALUES - PENDING KANGHAO ENGINEERING CONFIRMATION

Engineering comparison data; final product ratings require a confirmed Kanghao specification.

Optical reference values

Parameter	1x2	1x4	1x8	1x16	1x32
Wavelength (nm)	1260-1650	1260-1650	1260-1650	1260-1650	1260-1650
Fiber type	G657A1*	G657A1*	G657A1*	G657A1*	G657A1*
Insertion loss (dB)	<=4.0	<=7.3	<=10.5	<=13.7	<=17.0
Uniformity (dB)	<=0.4	<=0.6	<=0.8	<=1.2	<=1.5
PDL (dB)	<=0.2	<=0.2	<=0.2	<=0.3	<=0.3
Return loss (dB)	>=55	>=55	>=55	>=55	>=55
Directivity (dB)	>=55	>=55	>=55	>=55	>=55
Wavelength-dependent loss (dB)	<=0.3	<=0.3	<=0.3	<=0.5	<=0.5
Connector options	LC/APC	SC/APC or LC/APC	SC/APC or LC/APC	LC/APC	SC/APC

Fiber condition

G657A1 is the listed fiber type; the reference also allows a customer-specified alternative.

Environment and integration reference

Parameter	Reference
Operating temperature	-40 to +85 deg C (-40 to +185 deg F)
Storage temperature	-40 to +85 deg C (-40 to +185 deg F)
Package family	Singlemode PLC splitter in LGX-style cassette
Module envelope	No numeric mechanical dimensions are provided; confirm host fit by drawing
Optical path	One input is distributed to the selected number of output ports
Application context	PON / FTTx; LAN / WAN / metro; analog/digital passive optical links; CATV and datacom

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Integration use

Port counts, connector placement, panel retention and the full module envelope must be checked for the host equipment. A package-family name does not establish mechanical interchangeability.