1x2 Wavelength Combiner / Splitter (WDM)

Item #: RG45A1
SN: T005084

Port Jacket Color
Green Red
Wavelength
561 nm 640 nm
Transmission\(^c\)
99.3% 99.3%
Insertion Loss\(^d\)
0.03 dB 0.03 dB
Isolation\(^e\)
26.5 dB 29.1 dB

Bandwidth
556-566 nm 635-645 nm
Transmission\(^c\)
97.5% 98.4%
Insertion Loss\(^d\)
0.11 dB 0.07 dB
Isolation\(^e\)
18.2 dB 19.6 dB

a. Specifies the maximum power allowed through the component. Performance and reliability under high power conditions must be determined within the user's setup.
b. All values are measured at room temperature without connectors.
c. Calculated from measured insertion loss data below.
d. Insertion loss is the ratio of the input power to the output power for each port of the wavelength combiner / splitter (WDM).
e. Isolation represents the minimum crosstalk between ports.
This wavelength combiner / splitter (WDM) operation is only guaranteed over the specified bandwidth as defined by the colored regions above. Thorlabs displays a wider wavelength range to provide insight into how this particular device would perform if used outside its guaranteed operating range. The out-of-band performance can vary from device to device.