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Agilent Technologies



8159xA/S Modular Optical Switches

Description

Agilent's 8159xA/S modular optical switches route light in single mode optical fibers from the input to several output ports. They are a family of plug-in modules for Agilent's Lightwave Solution Platform 8163A/B, 8164A/B, 8166A/B. Their high flexibility within this modular test platform make them ideal as test and measurement equipment for signal routing in automated test environments. Available configurations are 1x2, 2x2 and 1x4.

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Product Comparison - 8159xA/S Modular Optical Switches

	81591A	81591S	81592A	81592S	81594A	81594S	81595A	81595S
Switch type	1x2		1x2 dual		2x2		1x4	
Connectivity	angled	straight	angled	straight	angled	straight	angled	straight
Wavelength range	1270-1650 nm							
Insertion loss	< 0.8 dB excluding connectors < 1.2 dB (typ. 0.8 dB) including connectors				< 1.0 dB excluding connectors < 1.4 dB (typ. 1.0 dB) including connectors			
Polarization dependent loss	< 0.07 dB		< 0.07 dB		< 0.20 dB		< 0.14 dB	
Return loss	typ. 60dB	typ.45dB	typ. 60dB	typ. 45 dB	typ. 60dB	typ. 45 dB	typ. 60dB	typ. 45 dB
Repeatability	< +/- 0.005 dB		< +/- 0.005 dB		< +/- 0.005 dB		< +/- 0.01 dB	
Crosstalk	typ. –70 dB							
Switching time	typ. 10 ms		typ. 10 ms		typ. 15 ms		typ. 15 ms	
Maximum input power	300 mW							

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