

# Optical Attenuators

**OA5002 \* OA5012 \* OA5022 \* OA5032**



**OA5000 Series Attenuators**

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## CHARACTERISTICS

Wavelength Range	750 to 1600 nm
Fiber Size	
OA5002	Single Mode fiber
OA5012	50 $\mu$ m Multimode fiber
OA5022	62.5 $\mu$ m Multimode fiber
OA5032	100 $\mu$ m Multimode fiber
Insertion Loss	$\leq 2.0$ dB <sup>*1</sup> , $\leq 4.0$ dB <sup>*2</sup>
Return Loss	$\leq -45$ dB <sup>*1</sup> $\leq -25$ dB <sup>*2</sup>
Attenuation Range	$\geq 60$ dB <sup>*3</sup> $\geq 50$ dB <sup>*4</sup>
Disable	$\geq 100$ dB <sup>*5</sup> $\geq 90$ dB <sup>*5</sup>
Accuracy	$\pm 0.15$ dB ( $\pm 0.05$ dB typ.)
Repeatability	$\pm 0.05$ dB ( $\pm 0.02$ dB typ.)
Linearity	$\pm 0.05$ dB
Max. Input Power	+3 dBm (2 mW)
Max. Non-destruct Power	+10 dBm (100 mW) Ave +20 dBm (200 mW) Peak

\*1 OA5002.

\*2 OA5012/OA5022/OA5032.

\*3 750-1350 nm.

\*4 1350-1600 nm.

\*5 OA5032.

Note: <sup>(a)</sup>For further technical information request Product Data Sheet #3TW-8032-1. <sup>(b)</sup>For information on OA5000 Series compatibility with other fiber sizes, contact your local Tektronix sales office.

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Tektronix Measurement products are manufactured in ISO registered facilities.



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