

## Specifications

Parameter	HA11
Wavelength range	1200-1700 nm
Attenuation <sup>1</sup>	60 dB
range	0.01 dB
resolution	±0.01 dB
repeatability <sup>2</sup>	<1.5%
change rate	0 - 60 dB
accuracy <sup>3</sup>	±0.1 dB
Insertion loss <sup>4,5,6</sup>	<1.5 dB
single-mode (SM)	-
multimode (MM)	-
50/125 µm	-
MM, other	-
Flexcor 1060	-
Return loss <sup>7,8</sup>	>60 dB
SM	-
SM, analog <sup>9</sup>	-
MM, 50/125 µm	-
MM, other	-
Flexcor 1060	-
Wavelength dependence <sup>10</sup>	-
Maximum optical input power	500 mW
Recalibration period (recommended)	2 years
Polarization dependent loss <sup>11</sup>	0.03 typical, 0.08 maximum
Beam block attenuation	>100 dB
Beam block speed	<20 ns
Input voltage	90 to 240 V AC, 50 to 60 HZ
Power consumption	80 VA maximum
Dimensions (W x H x D)	21.2 x 8.9 x 35.5 cm 19 in rack mounting 2U high
Weight	4 kg
Operating temperature	0 to 40 °C
Storage temperature	-40 to 60 °C
Humidity	90% up to 40 °C decreasing 5% from 40 to 60 °C