	HP 8167B	HP 8168D	HP 8168E	HP 8168F
Wavelength Range	1255nm to 1365nm	1490nm to 1565nm	1475nm to 1575nm	1450nm to 1590nm
Absolute Wavelength Accuracy, typ[1]	±0.1nm	±0.2nm	±0.1nm	
Relative Wavelength Accuracy	±0.035nm (1310-1350nm) ±0.050nm (1255-1365nm) typ ±0.001nm[2]	±0.1nm	±0.035nm, typ ±0.001nm[2]	±0.035nm (1475-1575nm) ±0.050nm (1450-1590nm), typ ±0.001nm[2]
Wavelength Resolution	0.001nm, 170MHz at 1300nm	0.1nm	0.001nm, 125MHz at 1550nm	
Wavelength Stability (typ over 1 hour at constant temperature)	<±100MHz	±1GHz	<±100MHz	
Wavelength Repeatability	±0.035nm (1310-1350nm) ±0.050nm (1255-1365nm) typ ±0.001nm[2]	±0.1nm	±0.035nm, typ ±0.001nm[2]	±0.035nm (1475-1575nm) ±0.050nm (1450-1590nm), typ ±0.001nm[2]
Sidemode Suppression Ratio, typ[3]	>40dB (1260-1360nm at -3dBm)	*n/a*	>40dB (1500-1570nm at 0dBm)	>50dB (1475-1575nm at 1dBm)
Source Spontaneous Emission[4]	<-45dB/0.1nm (1310-1350nm) <-40dB/0.1nm (1260-1360nm) <-35dB/0.1nm (1255-1365nm)	<-40dB/0.1nm (1500-1565nm) <-35dB/0.1nm (1490-1565nm)	<-45dB/0.1nm (1500-1570nm) <-35dB/0.1nm (1475-1575nm)	<-55dB/0.1nm (1520-1570nm) <-45dB/0.1nm (1475-1575nm) <-35dB/0.1nm (1450-1590nm)
Relative Intensity Noise (RIN), typ	<-145dB/Hz			
Linewidth (typ), coherence control off	100kHz			
Effective Linewidth (typ), coherence control on[5]	10-500MHz (1260-1360nm)	30-500MHz (1500-1565nm)	50 to 500MHz (1500-1570nm)	50 to 500 MHz (1475-1575nm)

[1] Measured with a wavelength meter in a vacuum.
[2] Performance when controlled with appropriate wavelength meter.
[3] Measured by heterodyning method. Reduce output power if options are attached.
[4] Measured with optical spectrum analyzer at 0.1nm resolution bandwidth at maximum specified output power.
[5] At power levels larger than CC uncal value.

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	HP 8167B	HP 8168D	HP 8168E	HP 8168F
Tuning Speed (typ for a 1/10/100nm step)[6] [7]	200ms/300ms/2s			
with #003[8]	250ms/300ms/2s	*n/a*	250ms/300ms/2s	
Output Power [9]	>+4dBm peak typ	>-3dBm peak typ	>+1dBm peak typ	>+8dBm peak typ
	>+3dBm (1310-1350nm)	>-4dBm (1500-1565nm)	>0dBm (1500-1570nm)	>+7dBm (1520-1570nm)
	>-3dBm (1260-1360nm)	>-10dBm (1490-1565nm)	>-10dBm (1475-1575nm)	>1dBm (1475-1575nm)
	>-7dBm (1255-1365nm)			>-7dBm (1450-1590nm)
for #023[8]	reduce by 1dB	*n/a*	reduce by 1dB	
for #003[8]	reduce by 1.5dB	*n/a*	reduce by 1.5dB	
for #007[8]	reduce by 1dB	reduce by 1dB	reduce by 1dB	
for #023 and #003[8]	reduce by 2.5dB	*n/a*	reduce by 2.5dB	
Minimum Output Power	-7dBm	-10dBm		-7dBm
with #003[8]	-47dBm	*n/a*	-50dBm	-47dBm
Power Linearity	±0.1dB			±0.1dB[10]
with #003[8]	±0.3dB[11]	*n/a*	±0.3dB	±0.3dB[10]
Power Stability (over 1 hour)	±0.03dB[12] (typ ±0.01dB)	±0.03dB (typ ±0.01dB)		
Power Repeatability (typ)	±0.04dB[11]	±0.04dB		±0.04dB[10]
Power Flatness versus Wavelength	±0.1dB	±0.2dB typ ±0.1dB	±0.1dB	±0.1dB[10] (1475-1575nm) ±0.2dB[10] (1450-1590nm)
with #003[8]	±0.2dB[12]	*n/a*	±0.2dB	±0.2dB[10] (1475-1575nm) ±0.3dB[10] (1450-1590nm)

[6] Applicable for CW operation.
[7] The Tuning Speed increases when Modulation is on.
[8] Listed options are described in the Supplementary Performance Characteristics
[9] The Maximum power is lower when Modulation is on.
[10] For power settings below -3dBm (with option 003:P_{REF} <-3dBm, independent of attenuator setting, or power setting below -43dBm), the values shown may increase by up to 5 times.
[11] with option #003: at constant Relative Humidity (±5%)
[12] with option #003: at 1355.0 nm and 1359.5 nm, power may vary by up to ±0.25 typically, depending on ambient relative humidity and related water absorption.