

Part No.	Package	Wavelength	Data Rate	Reach	Output Power(dBm)	Sens (dBm)	Connector	Voltage
HBP3403-L2D	LC BiDi SFP	Tx1310nm/Rx1490nm	155M	20km	-14≤Pout≤-8	≤-31	LC	3.3V
HBP4303-L2D	LC BiDi SFP	Tx1490nm/Rx1310nm	155M	20km	-14≤Pout≤-8	≤-31	LC	3.3V
HBP3503-L2D	LC BiDi SFP	Tx1310nm/Rx1550nm	155M	20km	-14≤Pout≤-8	≤-31	LC	3.3V
HBP5303-L2D	LC BiDi SFP	Tx1550nm/Rx1310nm	155M	20km	-14≤Pout≤-8	≤-31	LC	3.3V
HBP3403-L4D	LC BiDi SFP	Tx1310nm/Rx1490nm	155M	40km	-5≤Pout≤0	≤-31	LC	3.3V
HBP4303-L4D	LC BiDi SFP	Tx1490nm/Rx1310nm	155M	40km	-5≤Pout≤0	≤-31	LC	3.3V
HBP3503-L4D	LC BiDi SFP	Tx1310nm/Rx1550nm	155M	40km	-5≤Pout≤0	≤-31	LC	3.3V
HBP5303-L4D	LC BiDi SFP	Tx1550nm/Rx1310nm	155M	40km	-5≤Pout≤0	≤-31	LC	3.3V
HBP4503-L8D	LC BiDi SFP	Tx1490nm/Rx1550nm	155M	80km	-5≤Pout≤0	≤-32	LC	3.3V
HBP5403-L8D	LC BiDi SFP	Tx1550nm/Rx1490nm	155M	80km	-5≤Pout≤0	≤-32	LC	3.3V
HBP4503-12D	LC BiDi SFP	Tx1490nm/Rx1550nm	155M	120km	0≤Pout≤5	≤-32	LC	3.3V
HBP5403-12D	LC BiDi SFP	Tx1550nm/Rx1490nm	155M	120km	0≤Pout≤5	≤-32	LC	3.3V
HBP3412-L2D	LC BiDi SFP	Tx1310nm/Rx1490nm	622M	20km	-12≤Pout≤-8	≤-24	LC	3.3V
HBP4312-L2D	LC BiDi SFP	Tx1490nm/Rx1310nm	622M	20km	-12≤Pout≤-8	≤-24	LC	3.3V
HBP3512-L2D	LC BiDi SFP	Tx1310nm/Rx1550nm	622M	20km	-12≤Pout≤-8	≤-24	LC	3.3V
HBP5312-L2D	LC BiDi SFP	Tx1550nm/Rx1310nm	622M	20km	-12≤Pout≤-8	≤-24	LC	3.3V
HBP3412-L4D	LC BiDi SFP	Tx1310nm/Rx1490nm	622M	40km	-5≤Pout≤0	≤-26	LC	3.3V
HBP4312-L4D	LC BiDi SFP	Tx1490nm/Rx1310nm	622M	40km	-5≤Pout≤0	≤-26	LC	3.3V
HBP3512-L4D	LC BiDi SFP	Tx1310nm/Rx1550nm	622M	40km	-5≤Pout≤0	≤-26	LC	3.3V
HBP5312-L4D	LC BiDi SFP	Tx1550nm/Rx1310nm	622M	40km	-5≤Pout≤0	≤-26	LC	3.3V
HBP3424-L2D	LC BiDi SFP	Tx1310nm/Rx1490nm	1.25G	20km	-9≤Pout≤-3	≤-23	LC	3.3V
HBP4324-L2D	LC BiDi SFP	Tx1490nm/Rx1310nm	1.25G	20km	-9≤Pout≤-3	≤-23	LC	3.3V
HBP3524-L2D	LC BiDi SFP	Tx1310nm/Rx1550nm	1.25G	20km	-9≤Pout≤-3	≤-23	LC	3.3V

HBP5324-L2D	LC BiDi SFP	Tx1550nm/Rx1310nm	1.25G	20km	$-9 \leq P_{out} \leq -3$	≤ -23	LC	3.3V
HBP3424-L4D	LC BiDi SFP	Tx1310nm/Rx1490nm	1.25G	40km	$-5 \leq P_{out} \leq 0$	≤ -23	LC	3.3V
HBP4324-L4D	LC BiDi SFP	Tx1490nm/Rx1310nm	1.25G	40km	$-5 \leq P_{out} \leq 0$	≤ -23	LC	3.3V
HBP3524-L4D	LC BiDi SFP	Tx1310nm/Rx1550nm	1.25G	40km	$-5 \leq P_{out} \leq 0$	≤ -23	LC	3.3V
HBP5324-L4D	LC BiDi SFP	Tx1550nm/Rx1310nm	1.25G	40km	$-5 \leq P_{out} \leq 0$	≤ -23	LC	3.3V
HBP4524-L8D	LC BiDi SFP	Tx1490nm/Rx1550nm	1.25G	80km	$-2 \leq P_{out} \leq 3$	≤ -25	LC	3.3V
HBP5424-L8D	LC BiDi SFP	Tx1550nm/Rx1490nm	1.25G	80km	$-2 \leq P_{out} \leq 3$	≤ -25	LC	3.3V
HBP4524-12D	LC BiDi SFP	Tx1490nm/Rx1550nm	1.25G	120km	$0 \leq P_{out} \leq 5$	≤ -31	LC	3.3V
HBP5424-12D	LC BiDi SFP	Tx1550nm/Rx1490nm	1.25G	120km	$0 \leq P_{out} \leq 5$	≤ -31	LC	3.3V
HBP3548-L2D	LC BiDi SFP	Tx1310nm/Rx1550nm	2.5G	20km	$-5 \leq P_{out} \leq 0$	≤ -18	LC	3.3V
HBP5348-L2D	LC BiDi SFP	Tx1550nm/Rx1310nm	2.5G	20km	$-5 \leq P_{out} \leq 0$	≤ -18	LC	3.3V
HBP4548-L4D	LC BiDi SFP	Tx1490nm/Rx1550nm	2.5G	40km	$-2 \leq P_{out} \leq 3$	≤ -18	LC	3.3V
HBP5448-L4D	LC BiDi SFP	Tx1550nm/Rx1490nm	2.5G	40km	$-2 \leq P_{out} \leq 3$	≤ -18	LC	3.3V
HBP4548-L8D	LC BiDi SFP	Tx1490nm/Rx1550nm	2.5G	80km	$0 \leq P_{out} \leq 5$	≤ -28	LC	3.3V
HBP5448-L8D	LC BiDi SFP	Tx1550nm/Rx1490nm	2.5G	80km	$0 \leq P_{out} \leq 5$	≤ -28	LC	3.3V
HBP353G-S5D	LC BiDi SFP	Tx1310nm/Rx1550nm	3.125G	500m	$-9 \leq P_{out} \leq -3$	≤ -18	LC	3.3V
HBP533G-S5D	LC BiDi SFP	Tx1550nm/Rx1310nm	3.125G	500m	$-9 \leq P_{out} \leq -3$	≤ -18	LC	3.3V
HBP353G-L2D	LC BiDi SFP	Tx1310nm/Rx1550nm	3.125G	20km	$-5 \leq P_{out} \leq 0$	≤ -18	LC	3.3V
HBP533G-L2D	LC BiDi SFP	Tx1550nm/Rx1310nm	3.125G	20km	$-5 \leq P_{out} \leq 0$	≤ -18	LC	3.3V
HBP354G-L2D	LC BiDi SFP	Tx1310nm/Rx1550nm	4.25G	20km	$-5 \leq P_{out} \leq 0$	≤ -22	LC	3.3V
HBP534G-L2D	LC BiDi SFP	Tx1550nm/Rx1310nm	4.25G	20km	$-5 \leq P_{out} \leq 0$	≤ -22	LC	3.3V