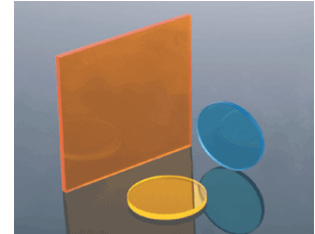


IR band pass filters

Beside interference filters for the visual spectral range, EURECA offers also a series of high performance filters for the IR.

Interference filters use dielectrical layers based on a suitable substrate. These layers narrow the spectrum of the transmitted light by constructive and destructive optical interference. The applications for such filters are various, as e.g. analytics, industrial quality control or scientific measurements. All products in this overview are supplied in the standard size for 25,4mm Ø round (clear aperture >22mm). On request the filters can however also be supplied in other sizes, or mounted in filter threats. Detailed transmission curves are available on request.



Central wave length [nm]	Half width [nm]	Blocking up to [nm]	Order code
1080 ± 10	30 ± 5	3200	IF-1080-30/50-25
1100 ± 25	90 ± 25	3200	IF-1100-90/50-25
1110 ± 10	70 ± 10	3200	IF-1110-70/50-25
1140 ± 5	10 ± 3	3200	IF-1140-10/50-25
1170 ± 10	10 ± 3	3200	IF-1170-10/50-25
1190 ± 5	10 ± 3	3200	IF-1190-10/50-25
1200 ± 25	70 ± 15	3200	IF-1200-70/50-25
1210 ± 10	10 ± 3	3200	IF-1210-10/50-25
1220 ± 10	70 ± 10	3200	IF-1220-70/50-25
1225 ± 5	10 ± 3	3200	IF-1225-10/50-25
1270 ± 5	10 ± 3	3200	IF-1270-10/50-25
1270 ± 10	80 ± 10	3200	IF-1270-80/50-25
1300 ± 20	30 ± 5	3500	IF-1300-30/50-25
1300 ± 20	75 ± 30	3500	IF-1300-75/50-25
1325 ± 5	30 ± 5	3500	IF-1325-30/50-25
1330 ± 5	30 ± 5	3500	IF-1330-30/50-25
1350 ± 15	80 ± 15	3500	IF-1350-80/50-25
1375 ± 10	85 ± 10	3500	IF-1375-85/50-25
1400 ± 10	30 ± 5	3500	IF-1400-30/50-25
1400 ± 10	90 ± 20	3500	IF-1400-90/50-25
1425 ± 10	30 ± 5	3500	IF-1425-30/50-25
1430 ± 5	8 ± 3	3500	IF-1430-8/50-25
1445 ± 5	10 ± 3	3500	IF-1445-10/50-25
1450 ± 10	32 ± 5	3500	IF-1450-32/50-25
1455 ± 10	10 ± 3	3500	IF-1455-10/50-25
1465 ± 2	10 ± 3	3500	IF-1465-10/50-25
1470 ± 10	33 ± 5	3500	IF-1470-33/50-25
1500 ± 25	90 ± 25	3500	IF-1500-90/50-25
1530 ± 10	33 ± 5	3500	IF-1530-33/50-25
1550 ± 10	30 ± 5	3500	IF-1550-30/50-25
1570 ± 10	30 ± 10	3500	IF-1570-30/50-25
1570 ± 10	80 ± 10	3500	IF-1570-80/50-25
1600 ± 10	33 ± 5	3500	IF-1600-33/50-25
1630 ± 5	10 ± 3	3500	IF-1630-10/50-25
1640 ± 5	10 ± 5	3500	IF-1640-10/50-25
1650 ± 10	35 ± 5	3500	IF-1650-35/50-25
1655 ± 10	60 ± 10	3500	IF-1655-60/50-25
1670 ± 10	37 ± 5	3500	IF-1670-37/50-25
1680 ± 5	10 ± 3	3500	IF-1680-10/50-25
1690 ± 5	10 ± 3	3500	IF-1690-10/50-25

Central wave length [nm]	Half width [nm]	Blocking up to [nm]	Order code
1700 ± 10	37 ± 7	3500	IF-1700-37/50-25
1700 ± 30	90 ± 30	3500	IF-1700-90/50-25
1715 ± 5	10 ± 3	3500	IF-1715-10/50-25
1720 ± 5	10 ± 3	3500	IF-1730-10/50-25
1730 ± 10	32 ± 5	3500	IF-1730-32/50-25
1745 ± 15	90 ± 15	3500	IF-1745-90/50-25
1755 ± 10	40 ± 5	3500	IF-1755-40/50-25
1765 ± 5	10 ± 3	3500	IF-1765-10/50-25
1770 ± 10	35 ± 5	3500	IF-1770-35/50-25
1775 ± 15	100 ± 15	3500	IF-1775-100/50-
1790 ± 5	10 ± 3	3500	IF-1790-10/50-25
1800 ± 20	40 ± 7	3500	IF-1800-40/50-25
1805 ± 15	80 ± 10	3500	IF-1805-80/50-25
1810 ± 5	10 ± 3	3500	IF-1810-10/50-25
1810 ± 5	45 ± 5	3500	IF-1810-45/50-25
1820 ± 5	10 ± 3	3500	IF-1820-10/50-25
1820 ± 10	75 ± 10	3500	IF-1820-75/50-25
1820 ± 10	80 ± 10	3500	IF-1820-80/50-25
1820 ± 20	100 ± 20	3500	IF-1820-100/50-
1830 ± 10	37 ± 7	3500	IF-1830-37/50-25
1830 ± 10	85 ± 15	3500	IF-1830-85/50-25
1830 ± 10	65 ± 10	3500	IF-1830-65/50-25
1830 ± 10	100 ± 10	3500	IF-1830-100/50-
1840 ± 5	10 ± 3	3500	IF-1840-10/50-25
1840 ± 10	115 ± 10	3500	IF-1840-115/50-
1850 ± 10	37 ± 5	3500	IF-1850-37/50-25
1865 ± 10	80 ± 10	3500	IF-1865-80/50-25
1865 ± 10	100 ± 15	3500	IF-1865-100/50-
1875 ± 5	10 ± 3	3500	IF-1875-10/50-25
1880 ± 10	100 ± 15	3500	IF-1880-100/50-
1890 ± 10	55 ± 10	3200	IF-1890-55/50-25
1890 ± 10	100 ± 15	3200	IF-1890-100/50-
1900 ± 10	40 ± 7	3200	IF-1900-40/50-25
1900 ± 100	55 ± 10	3200	IF-1900-55/50-25
1900 ± 10	65 ± 10	3200	IF-1900-65/50-25
1900 ± 20	200 ± 20	3200	IF-1900-200/50-
1905 ± 5	10 ± 3	3200	IF-1905-10/50-25
1910 ± 10	30 ± 5	3200	IF-1910-30/50-25
1910 ± 10	52 ± 10	3200	IF-1910-52/50-25
1915 ± 10	60 ± 10	3200	IF-1915-60/50-25

Central wave length [nm]	Half width [nm]	Blocking up to [nm]	Order code
1915 ± 10	100 ± 15	3200	IF-1915-100/50-25
1920 ± 10	42 ± 10	3200	IF-1920-42/50-25
1925 ± 3	50 ± 4	3500	IF-1925-50/50-25
1925 ± 10	100 ± 15	3500	IF-1925-100/50-25
1930 ± 5	10 ± 3	3500	IF-1930-10/50-25
1930 ± 10	55 ± 7	3500	IF-1930-55/50-25
1930 ± 10	70 ± 10	3500	IF-1930-70/50-25
1930 ± 10	100 ± 15	3500	IF-1930-100/50-25
1935 ± 10	40 ± 7	3500	IF-1935-40/50-25
1935 ± 10	110 ± 10	3500	IF-1935-110/50-25
1940 ± 5	10 ± 3	3500	IF-1940-10/50-25
1940 ± 10	30 ± 5	3500	IF-1940-30/50-25
1940 ± 10	100 ± 15	3500	IF-1940-100/50-25
1945 ± 10	45 ± 7	3500	IF-1945-45/50-25
1945 ± 10	85 ± 10	3500	IF-1945-85/50-25
1950 ± 10	28 ± 5	3500	IF-1950-28/50-25
1960 ± 10	43 ± 7	3500	IF-1960-43/50-25
1960 ± 10	110 ± 10	3500	IF-1960-110/50-25
1960 ± 20	130 ± 20	3500	IF-1960-130/50-25
1965 ± 10	20 ± 5	3500	IF-1965-20/50-25
1965 ± 15	110 ± 15	3500	IF-1965-110/50-25
1970 ± 10	43 ± 7	3500	IF-1970-43/50-25
1985 ± 10	43 ± 7	3500	IF-1985-43/50-25
1995 ± 10	55 ± 7	3500	IF-1995-55/50-25
2010 ± 10	45 ± 7	3500	IF-2010-45/50-25
2015 ± 15	110 ± 25	3500	IF-2015-110/50-25
2030 ± 10	80 ± 10	3500	IF-2030-80/50-25
2060 ± 10	45 ± 7	3500	IF-2060-45/50-25
2080 ± 10	40 ± 7	3500	IF-2080-40/50-25
2080 ± 10	90 ± 15	3500	IF-2080-90/50-25
2090 ± 10	95 ± 10	3500	IF-2090-95/50-25
2100 ± 5	10 ± 3	3500	IF-2100-10/50-25
2100 ± 10	46 ± 7	3500	IF-2100-46/50-25
2100 ± 15	100 ± 15	3500	IF-2100-100/50-25
2110 ± 5	10 ± 3	3500	IF-2110-10/50-25
2115 ± 5	10 ± 3	3500	IF-2115-10/50-25
2115 ± 5	20 ± 5	3500	IF-2115-20/50-25
2120 ± 10	90 ± 20	3500	IF-2120-90/50-25
2130 ± 5	10 ± 3	3500	IF-2130-10/50-25
2140 ± 20	50 ± 10	3500	IF-2140-50/50-25
2150 ± 15	200 ± 20	FIR	IF-2150-200/50-25
2160 ± 20	30 ± 10	3500	IF-2160-30/50-25
2165 ± 5	10 ± 3	3500	IF-2165-10/50-25
2170 ± 10	43 ± 7	3500	IF-2170-43/50-25
2170 ± 20	48 ± 8	FIR	IF-2170-48/50-25
2175 ± 5	10 ± 3	3500	IF-2175-10/50-25
2180 ± 5	10 ± 3	3500	IF-2180-10/50-25
2180 ± 10	43 ± 7	3500	IF-2180-43/50-25
2180 ± 20	100 ± 20	3500	IF-2180-100/50-25
2190 ± 5	10 ± 3	3500	IF-2190-10/50-25
2200 ± 10	48 ± 7	3500	IF-2200-48/50-25
2200 ± 15	100 ± 20	3500	IF-2200-100/50-25
2210 ± 5	10 ± 3	3500	IF-2210-10/50-25
2220 ± 5	10 ± 3	3500	IF-2220-10/50-25
2225 ± 10	45 ± 7	3500	IF-2225-45/50-25
2230 ± 5	10 ± 3	3500	IF-2230-10/50-25
2250 ± 5	10 ± 3	3500	IF-2250-10/50-25
2260 ± 10	90 ± 10	3500	IF-2260-90/50-25
2270 ± 5	10 ± 3	3500	IF-2270-3/50-25
2275 ± 10	45 ± 7	3500	IF-2275-45/50-25
2280 ± 15	45 ± 7	3500	IF-2280-45/50-25

Central wave length [nm]	Half width [nm]	Blocking up to [nm]	Order code
2290 ± 10	70 ± 10	3500	IF-2290-70/50-25
2300 ± 5	10 ± 3	3500	IF-2300-10/50-25
2310 ± 5	10 ± 3	3500	IF-2310-10/50-25
2335 ± 5	10 ± 3	3500	IF-2335-10/50-25
2345 ± 5	10 ± 3	3500	IF-2345-10/50-25
2350 ± 5	10 ± 3	3500	IF-2350-10/50-25
2350 ± 15	110 ± 20	3500	IF-2350-110/50-25
2360 ± 10	90 ± 10	3500	IF-2360-90/50-25
2365 ± 5	10 ± 3	3500	IF-2365-10/50-25
2365 ± 10	70 ± 10	3500	IF-2365-70/50-25
2380 ± 10	52 ± 8	3500	IF-2380-52/50-25
2380 ± 15	100 ± 20	3500	IF-2380-100/50-25
2380 ± 20	200 ± 20	3500	IF-2380-200/50-25
2395 ± 10	53 ± 7	3500	IF-2395-53/50-25
2400 ± 20	105 ± 15	3500	IF-2400-105/50-25
2420 ± 20	50 ± 10	FIR	IF-2420-50/50-25
2440 ± 10	47 ± 5	FIR	IF-2440-47/50-25
2470 ± 25	50 ± 10	FIR	IF-2470-50/50-25
2480 ± 25	50 ± 10	FIR	IF-2480-50/50-25
2610 ± 20	120 ± 20	FIR	IF-2610-120/50-25
2615 ± 25	35 ± 10	10500	IF-2615-35/50-25
2670 ± 10	50 ± 10	FIR	IF-2670-50/50-25
2700 ± 10	50 ± 10	3500	IF-2700-50/50-25
2725 ± 25	225 ± 25	FIR	IF-2725-225/50-25
2740 ± 20	30 ± 10	3500	IF-2740-30/50-25
2770 ± 25	55 ± 10	FIR	IF-2770-55/50-25
2795 ± 30	235 ± 20	FIR	IF-2795-235/50-25
2900 ± 10	55 ± 7	FIR	IF-2900-55/50-25
2925 ± 15	55 ± 10	FIR	IF-2925-55/50-25
2950 ± 10	55 ± 10	FIR	IF-2950-55/50-25
2970 ± 10	55 ± 10	FIR	IF-2970-55/50-25
3000 ± 20	60 ± 10	FIR	IF-3000-60/50-25
3030 ± 20	70 ± 20	FIR	IF-3030-70/50-25
3050 ± 20	200 ± 20	FIR	IF-3050-200/50-25
3060 ± 30	60 ± 10	FIR	IF-3060-60/50-25
3080 ± 20	55 ± 10	FIR	IF-3080-55/50-25
3150 ± 15	145 ± 15	FIR	IF-3150-145/50-25
3160 ± 10	60 ± 10	FIR	IF-3160-60/50-25
3175 ± 20	60 ± 10	FIR	IF-3175-60/50-25
3180 ± 10	100 ± 20	FIR	IF-3180-100/50-25
3210 ± 20	90 ± 15	FIR	IF-3210-90/50-25
3225 ± 20	65 ± 10	FIR	IF-3225-65/50-25
3290 ± 10	60 ± 10	6500	IF-3290-60/50-25
3320 ± 20	60 ± 15	FIR	IF-3320-60/50-25
3330 ± 25	155 ± 15	FIR	IF-3330-155/50-25
3345 ± 20	40 ± 10	FIR	IF-3345-40/50-25
3350 ± 35	200 ± 50	FIR	IF-3350-200/50-25
3370 ± 10	65 ± 10	FIR	IF-3370-65/50-25
3390 ± 50	60 ± 10	FIR	IF-3390-60/50-25
3400 ± 20	45 ± 10	FIR	IF-3400-45/50-25
3400 ± 20	60 ± 10	FIR	IF-3400-60/50-25
3410 ± 10	45 ± 10	6500	IF-3410-45/50-25
3410 ± 35	290 ± 30	FIR	IF-3410-290/50-25
3420 ± 20	85 ± 20	FIR	IF-3420-85/50-25
3420 ± 25	200 ± 20	FIR	IF-3420-200/50-25
3420 ± 35	300 ± 25	FIR	IF-3420-300/50-25
3425 ± 20	41 ± 10	FIR	IF-3425-41/50-25
3430 ± 10	80 ± 10	FIR	IF-3430-80/50-25
3435 ± 15	65 ± 10	FIR	IF-3435-65/50-25
3445 ± 20	40 ± 10	FIR	IF-3445-40/50-25
3450 ± 15	65 ± 10	FIR	IF-3450-65/50-25

Central wave length [nm]	Half width [nm]	Blocking up to [nm]	Order code	Central wave length [nm]	Half width [nm]	Blocking up to [nm]	Order code
3450 ± 20	100 ± 20	FIR	IF-3450-100/50-25	5200 ± 55	115 ± 20	FIR	IF-5200-115/50-25
3465 ± 20	45 ± 10	FIR	IF-3465-45/50-25	5225 ± 55	300 ± 30	FIR	IF-5225-300/50-25
3480 ± 20	40 ± 10	FIR	IF-3480-40/50-25	5250 ± 25	125 ± 25	FIR	IF-5250-125/50-25
3485 ± 10	85 ± 10	FIR	IF-3485-85/50-25	5250 ± 50	270 ± 30	FIR	IF-5250-270/50-25
3490 ± 10	42 ± 10	FIR	IF-3490-42/50-25	5270 ± 25	125 ± 15	FIR	IF-5270-125/50-25
3490 ± 15	100 ± 15	FIR	IF-3490-100/50-25	5300 ± 50	175 ± 20	FIR	IF-5300-175/50-25
3515 ± 20	40 ± 10	FIR	IF-3515-40/50-25	5300 ± 50	200 ± 50	FIR	IF-5300-200/50-25
3520 ± 15	40 ± 10	FIR	IF-3520-40/50-25	5320 ± 30	245 ± 25	FIR	IF-5320-245/50-25
3540 ± 15	45 ± 10	FIR	IF-3540-45/50-25	5325 ± 50	200 ± 25	FIR	IF-5325-200/50-25
3550 ± 25	40 ± 10	FIR	IF-3550-40/50-25	5360 ± 50	80 ± 20	FIR	IF-5360-80/50-25
3550 ± 25	70 ± 10	FIR	IF-3550-70/50-25	5360 ± 30	275 ± 25	FIR	IF-5360-275/50-25
3575 ± 15	45 ± 10	FIR	IF-3575-45/50-25	5420 ± 50	500 ± 50	FIR	IF-5420-500/50-25
3590 ± 40	100 ± 20	FIR	IF-3590-100/50-25	5445 ± 30	460 ± 25	FIR	IF-5445-460/50-25
3600 ± 20	45 ± 10	FIR	IF-3600-45/50-25	5500 ± 50	275 ± 50	FIR	IF-5500-275/50-25
3600 ± 30	170 ± 20	FIR	IF-3600-170/50-25	5550 ± 70	80 ± 25	FIR	IF-5550-80/50-25
3620 ± 20	42 ± 10	FIR	IF-3620-42/50-25	5600 ± 40	80 ± 25	FIR	IF-5600-80/50-25
3640 ± 10	45 ± 10	6500	IF-3640-45/50-25	5710 ± 20	90 ± 20	FIR	IF-5710-90/50-25
3640 ± 20	165 ± 25	FIR	IF-3640-165/50-25	5750 ± 40	80 ± 20	FIR	IF-5750-80/50-25
3700 ± 40	110 ± 15	FIR	IF-3700-110/50-25	5820 ± 25	95 ± 20	FIR	IF-5820-95/50-25
3800 ± 10	45 ± 10	6500	IF-3800-45/50-25	5950 ± 25	140 ± 25	10500	IF-5950-140/50-25
3800 ± 38	180 ± 15	FIR	IF-3800-180/50-25	6075 ± 30	140 ± 25	10500	IF-6075-140/50-25
3850 ± 50	75 ± 25	FIR	IF-3850-75/50-25	6100 ± 60	140 ± 25	10500	IF-6100-140/50-25
3890 ± 40	110 ± 15	FIR	IF-3890-110/50-25	6150 ± 30	140 ± 25	10500	IF-6150-140/50-25
3900 ± 40	110 ± 15	FIR	IF-3900-110/50-25	6250 ± 70	100 ± 35	10500	IF-6250-100/50-25
3910 ± 30	17 ± 10	FIR	IF-3910-17/50-25	6350 ± 60	185 ± 30	10500	IF-6350-185/50-25
3940 ± 40	100 ± 15	FIR	IF-3940-100/50-25	6470 ± 30	100 ± 30	10500	IF-6470-100/50-25
3950 ± 50	100 ± 20	FIR	IF-3950-100/50-25	6520 ± 40	100 ± 20	10500	IF-6520-100/50-25
3960 ± 20	30 ± 10	FIR	IF-3960-30/50-25	6570 ± 25	100 ± 25	10500	IF-6570-100/50-25
3985 ± 25	115 ± 10	FIR	IF-3985-115/50-25	6600 ± 25	100 ± 30	10500	IF-6600-100/50-25
4000 ± 25	120 ± 20	FIR	IF-4000-120/50-25	6640 ± 25	100 ± 30	10500	IF-6640-100/50-25
4040 ± 25	50 ± 20	FIR	IF-4040-50/50-25	6670 ± 25	100 ± 25	10500	IF-6670-100/50-25
4065 ± 20	160 ± 10	FIR	IF-4065-160/50-25	6680 ± 25	110 ± 35	10500	IF-6680-110/50-25
4190 ± 25	50 ± 20	FIR	IF-4190-50/50-25	6700 ± 40	80 ± 20	10500	IF-6700-80/50-25
4225 ± 20	190 ± 10	FIR	IF-4225-190/50-25	6720 ± 50	100 ± 25	10500	IF-6720-100/50-25
4240 ± 25	200 ± 25	FIR	IF-4240-200/50-25	6810 ± 25	100 ± 20	10500	IF-6810-100/50-25
4250 ± 45	115 ± 15	FIR	IF-4250-115/50-25	6845 ± 30	100 ± 20	10500	IF-6845-100/50-25
4270 ± 20	60 ± 20	FIR	IF-4270-60/50-25	7180 ± 30	105 ± 20	10500	IF-7180-105/50-25
4270 ± 25	85 ± 10	FIR	IF-4270-85/50-25	7230 ± 30	105 ± 20	10500	IF-7230-105/50-25
4280 ± 25	20 ± 10	FIR	IF-4280-20/50-25	7355 ± 25	175 ± 25	10500	IF-7355-175/50-25
4300 ± 45	200 ± 25	FIR	IF-4300-200/50-25	7600 ± 50	150 ± 30	10500	IF-7600-150/50-25
4310 ± 10	20 ± 5	FIR	IF-4310-20/50-25	7650 ± 50	160 ± 30	10500	IF-7650-160/50-25
4350 ± 10	20 ± 5	FIR	IF-4350-20/50-25	7720 ± 80	175 ± 30	10500	IF-7720-175/50-25
4350 ± 50	200 ± 25	FIR	IF-4350-200/50-25	7800 ± 100	170 ± 40	10500	IF-7800-170/50-25
4510 ± 20	100 ± 20	FIR	IF-4510-100/50-25	7900 ± 80	175 ± 30	10500	IF-7900-175/50-25
4540 ± 20	75 ± 15	FIR	IF-4540-75/50-25	8200 ± 80	250 ± 30	13000	IF-8200-250/50-25
4560 ± 50	260 ± 40	FIR	IF-4560-260/50-25	8550 ± 80	120 ± 20	13000	IF-8550-120/50-25
4630 ± 40	180 ± 20	FIR	IF-4630-180/50-25	8600 ± 80	180 ± 30	13000	IF-8600-180/50-25
4675 ± 25	140 ± 25	FIR	IF-4675-140/50-25	8640 ± 30	115 ± 15	10500	IF-8640-115/50-25
4700 ± 47	80 ± 10	FIR	IF-4700-80/50-25	8700 ± 80	180 ± 30	13000	IF-8700-180/50-25
4700 ± 60	100 ± 20	FIR	IF-4700-60/50-25	8780 ± 80	345 ± 50	13000	IF-8780-345/50-25
4700 ± 25	220 ± 25	FIR	IF-4700-220/50-25	8800 ± 80	180 ± 30	13000	IF-8800-180/50-25
4715 ± 50	90 ± 20	FIR	IF-4715-90/50-25	8950 ± 90	330 ± 50	10500	IF-8950-330/50-25
4720 ± 10	90 ± 20	FIR	IF-4720-90/50-25	9400 ± 50	220 ± 40	10500	IF-9400-220/50-25
4750 ± 60	100 ± 15	FIR	IF-4750-100/50-25	9520 ± 100	220 ± 40	10500	IF-9520-220/50-25
4770 ± 50	165 ± 25	FIR	IF-4770-165/50-25	9645 ± 80	220 ± 40	13000	IF-9645-220/50-25
4775 ± 15	100 ± 15	FIR	IF-4775-100/50-25	10500 ± 150	385 ± 80	16500	IF-10500-385/50-25
4800 ± 30	350 ± 30	FIR	IF-4800-350/50-25	10600 ± 60	240 ± 50	16500	IF-10600-240/50-25
5150 ± 50	125 ± 25	FIR	IF-5150-125/50-25	10600 ± 150	370 ± 80	16500	IF-10600-370/50-25

No guaranty is given for he indicated facts in this document. Changes of technical specifications or our range of supply can be made without prior notice. Some used terms or names may be covered by trademarks of the respective companies.