

Surface Mount Bandpass Filter

CBP6-570CG+

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS | | | INPUT RETURN LOSS | | | OUTPUT RETURN LOSS | | |
|--------------------|----------------|--------|--------|-------------------|--------|--------|--------------------|--------|--------|
| | (dB) | | | (dB) | | | (dB) | | |
| | @-40°C | @+25°C | @+85°C | @-40°C | @+25°C | @+85°C | @-40°C | @+25°C | @+85°C |
| 1 | 94.16 | 88.36 | 93.29 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 9 | 88.95 | 93.40 | 89.33 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 11 | 109.45 | 111.60 | 119.93 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 15 | 114.19 | 106.80 | 106.97 | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 | 0.03 |
| 25 | 103.73 | 106.56 | 115.50 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 35 | 109.34 | 112.92 | 103.75 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 45 | 117.09 | 107.33 | 107.29 | 0.02 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 |
| 55 | 106.34 | 108.75 | 114.08 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 105 | 108.21 | 120.60 | 108.07 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 |
| 155 | 105.07 | 110.37 | 113.97 | 0.00 | 0.01 | 0.02 | 0.01 | 0.02 | 0.02 |
| 200 | 104.55 | 103.05 | 104.12 | 0.00 | 0.02 | 0.03 | 0.01 | 0.02 | 0.03 |
| 220 | 109.94 | 102.27 | 107.64 | 0.01 | 0.02 | 0.03 | 0.01 | 0.02 | 0.03 |
| 240 | 106.24 | 100.51 | 104.57 | 0.01 | 0.02 | 0.03 | 0.01 | 0.02 | 0.03 |
| 260 | 100.72 | 98.66 | 99.17 | 0.01 | 0.02 | 0.04 | 0.01 | 0.03 | 0.04 |
| 280 | 99.71 | 100.21 | 95.63 | 0.01 | 0.03 | 0.04 | 0.01 | 0.03 | 0.04 |
| 300 | 100.49 | 104.77 | 97.94 | 0.01 | 0.03 | 0.04 | 0.01 | 0.03 | 0.04 |
| 350 | 92.96 | 92.11 | 92.77 | 0.02 | 0.04 | 0.06 | 0.02 | 0.04 | 0.06 |
| 370 | 90.98 | 90.35 | 90.66 | 0.03 | 0.05 | 0.06 | 0.03 | 0.05 | 0.06 |
| 390 | 89.68 | 89.39 | 91.27 | 0.03 | 0.05 | 0.07 | 0.03 | 0.06 | 0.07 |
| 400 | 89.11 | 90.38 | 89.52 | 0.04 | 0.06 | 0.07 | 0.04 | 0.06 | 0.07 |
| 410 | 86.92 | 86.93 | 88.67 | 0.04 | 0.06 | 0.08 | 0.04 | 0.07 | 0.08 |
| 430 | 85.53 | 85.79 | 85.94 | 0.05 | 0.07 | 0.09 | 0.05 | 0.08 | 0.09 |
| 450 | 81.55 | 80.98 | 81.99 | 0.06 | 0.09 | 0.10 | 0.06 | 0.09 | 0.10 |
| 470 | 75.69 | 75.34 | 75.20 | 0.08 | 0.10 | 0.12 | 0.07 | 0.10 | 0.12 |
| 490 | 65.81 | 65.64 | 65.69 | 0.10 | 0.13 | 0.15 | 0.10 | 0.13 | 0.15 |
| 530 | 30.94 | 30.53 | 30.49 | 0.32 | 0.38 | 0.43 | 0.32 | 0.39 | 0.43 |
| 537 | 20.51 | 20.00 | 19.92 | 0.57 | 0.68 | 0.76 | 0.56 | 0.68 | 0.75 |
| 547 | 2.89 | 2.81 | 2.91 | 8.08 | 9.44 | 10.10 | 8.01 | 9.36 | 10.03 |
| 548 | 2.11 | 2.15 | 2.29 | 11.84 | 13.64 | 14.49 | 11.72 | 13.47 | 14.34 |
| 555 | 1.07 | 1.21 | 1.34 | 25.64 | 27.26 | 28.36 | 25.77 | 27.63 | 28.90 |
| 560 | 0.94 | 1.08 | 1.21 | 24.04 | 23.14 | 21.95 | 24.26 | 23.37 | 22.12 |
| 565 | 0.89 | 1.02 | 1.14 | 21.55 | 22.03 | 21.25 | 21.49 | 21.98 | 21.21 |
| 568 | 0.85 | 0.98 | 1.09 | 27.63 | 29.39 | 28.34 | 27.41 | 29.21 | 28.09 |
| 570 | 0.83 | 0.97 | 1.08 | 38.88 | 35.48 | 35.25 | 38.11 | 35.81 | 34.82 |
| 575 | 0.86 | 0.99 | 1.11 | 21.61 | 21.22 | 20.77 | 21.68 | 21.29 | 20.83 |
| 578 | 0.87 | 1.01 | 1.13 | 21.42 | 21.63 | 20.89 | 21.47 | 21.67 | 20.94 |
| 580 | 0.87 | 1.01 | 1.13 | 24.24 | 25.02 | 23.77 | 24.28 | 25.04 | 23.82 |
| 581 | 0.88 | 1.02 | 1.14 | 27.23 | 28.47 | 26.65 | 27.19 | 28.42 | 26.67 |
| 582 | 0.88 | 1.03 | 1.15 | 32.05 | 33.22 | 30.95 | 31.85 | 33.02 | 30.90 |
| 583 | 0.90 | 1.05 | 1.17 | 34.32 | 31.87 | 32.84 | 34.00 | 31.75 | 32.67 |
| 584 | 0.92 | 1.07 | 1.19 | 28.80 | 27.01 | 28.43 | 28.73 | 26.97 | 28.32 |
| 585 | 0.94 | 1.10 | 1.22 | 24.87 | 23.83 | 24.87 | 24.82 | 23.77 | 24.76 |
| 590 | 1.14 | 1.35 | 1.49 | 27.51 | 29.42 | 28.83 | 25.51 | 25.54 | 25.25 |
| 595 | 3.29 | 3.96 | 4.07 | 6.10 | 5.46 | 5.75 | 6.01 | 5.37 | 5.64 |
| 600 | 11.34 | 12.17 | 12.19 | 1.10 | 1.11 | 1.22 | 1.09 | 1.09 | 1.20 |
| 612 | 29.02 | 29.58 | 29.59 | 0.20 | 0.25 | 0.29 | 0.20 | 0.25 | 0.29 |
| 650 | 60.73 | 61.12 | 61.11 | 0.07 | 0.10 | 0.13 | 0.07 | 0.11 | 0.13 |
| 700 | 82.06 | 81.37 | 82.53 | 0.06 | 0.10 | 0.12 | 0.06 | 0.10 | 0.12 |
| 720 | 81.68 | 80.37 | 79.84 | 0.07 | 0.10 | 0.13 | 0.07 | 0.10 | 0.13 |
| 750 | 77.45 | 77.78 | 77.42 | 0.07 | 0.11 | 0.13 | 0.07 | 0.11 | 0.13 |
| 830 | 74.59 | 74.99 | 74.62 | 0.09 | 0.13 | 0.15 | 0.09 | 0.13 | 0.15 |
| 840 | 74.43 | 75.15 | 74.40 | 0.10 | 0.13 | 0.16 | 0.09 | 0.13 | 0.16 |
| 850 | 74.03 | 73.48 | 73.21 | 0.10 | 0.14 | 0.16 | 0.10 | 0.14 | 0.16 |
| 860 | 71.63 | 71.07 | 70.54 | 0.10 | 0.14 | 0.16 | 0.10 | 0.14 | 0.16 |
| 870 | 68.70 | 69.09 | 68.90 | 0.10 | 0.14 | 0.16 | 0.10 | 0.14 | 0.16 |
| 880 | 68.97 | 69.01 | 68.97 | 0.10 | 0.14 | 0.16 | 0.10 | 0.14 | 0.16 |
| 890 | 68.92 | 69.05 | 68.79 | 0.10 | 0.14 | 0.17 | 0.10 | 0.14 | 0.17 |
| 900 | 68.50 | 68.70 | 68.47 | 0.10 | 0.14 | 0.17 | 0.10 | 0.14 | 0.17 |
| 930 | 68.33 | 68.48 | 68.03 | 0.11 | 0.15 | 0.18 | 0.11 | 0.15 | 0.18 |
| 950 | 68.36 | 68.32 | 68.11 | 0.11 | 0.15 | 0.18 | 0.11 | 0.15 | 0.18 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|--------|
| | (nsec) | | |
| | @-40°C | @+25°C | @+85°C |
| 555 | 31.71 | 31.18 | 30.98 |
| 556 | 30.36 | 29.94 | 29.78 |
| 557 | 29.26 | 28.93 | 28.80 |
| 558 | 28.38 | 28.11 | 28.00 |
| 559 | 27.66 | 27.44 | 27.34 |
| 560 | 27.06 | 26.87 | 26.78 |
| 561 | 26.55 | 26.39 | 26.30 |
| 562 | 26.11 | 25.98 | 25.89 |
| 563 | 25.74 | 25.62 | 25.54 |
| 564 | 25.42 | 25.32 | 25.25 |
| 565 | 25.15 | 25.08 | 25.00 |
| 566 | 24.93 | 24.87 | 24.81 |
| 567 | 24.76 | 24.71 | 24.65 |
| 568 | 24.62 | 24.59 | 24.54 |
| 569 | 24.52 | 24.50 | 24.45 |
| 570 | 24.45 | 24.44 | 24.39 |
| 571 | 24.41 | 24.41 | 24.37 |
| 572 | 24.40 | 24.42 | 24.37 |
| 573 | 24.42 | 24.45 | 24.40 |
| 574 | 24.48 | 24.52 | 24.47 |
| 575 | 24.58 | 24.64 | 24.58 |
| 576 | 24.72 | 24.79 | 24.73 |
| 577 | 24.90 | 24.99 | 24.93 |
| 578 | 25.12 | 25.23 | 25.18 |
| 579 | 25.40 | 25.53 | 25.47 |
| 580 | 25.73 | 25.89 | 25.83 |
| 581 | 26.13 | 26.31 | 26.25 |
| 582 | 26.60 | 26.82 | 26.76 |
| 583 | 27.18 | 27.45 | 27.38 |
| 584 | 27.90 | 28.23 | 28.15 |
| 585 | 28.80 | 29.20 | 29.10 |