

# BANDPASS FILTER

## Filter Type

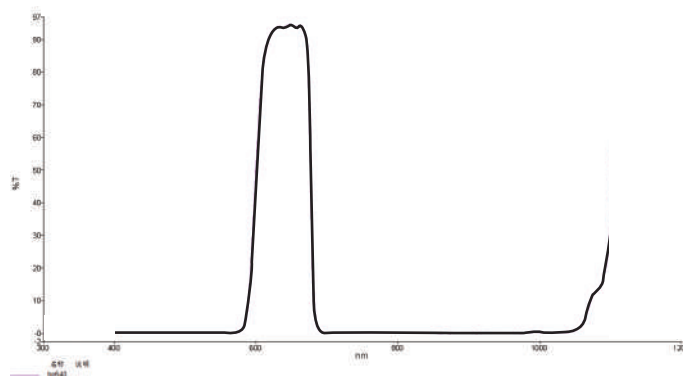
| Thread Dia. x Pitch (mm) | C-Mount | M22.5 x0.5 | M25.5 x0.5 | M27 x0.5 | M30.5 x0.5 | M34 x0.5 | M35.5 x0.5 | M37 x0.75 | M37.5 x0.5 | M40.5 x0.5 | M43 x0.75 | M46 x0.75 | M49 x0.75 | M52 x0.75 | M55 x0.75 | M58 x0.75 | M62 x0.75 |
|--------------------------|---------|------------|------------|----------|------------|----------|------------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| External $\phi$          | 25.4    | 24         | 27.5       | 29       | 32.5       | 36       | 37         | 39        | 39.5       | 42         | 45        | 48        | 51        | 54        | 57        | 60        | 65        |
| Aperture $\phi$          | 19.5    | 18.5       | 21         | 23       | 26.5       | 30       | 31.5       | 33        | 19.5       | 36         | 39.5      | 41.5      | 44.5      | 47.5      | 50.5      | 53.5      | 57.5      |

| Thread Dia. x Pitch (mm) | M67.0 x0.75 | M68.0 x0.75 | M72.0 x0.75 | M77.0 x0.75 | M82.0 x0.75 | M86.0 x0.75 | M95.0 x1.0 | M105 x1.0 |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-----------|
| External $\phi$          | 70          | 70          | 75          | 80          | 85          | 90          | 99         | 109       |
| Aperture $\phi$          | 63.2        | 63.2        | 67.7        | 73          | 78.8        | 80          | 90         | 100       |



BP635 Transmission Data(Typical)

| wavelength (nm) | transmission (%) | wavelength (nm) | transmission (%) | wavelength (nm) | transmission (%) |
|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| 400             | 0.009082         | 640             | 93.941953        | 880             | 0.021186         |
| 410             | 0.01228          | 650             | 94.479043        | 890             | 0.021707         |
| 420             | 0.007853         | 660             | 94.243699        | 900             | 0.016532         |
| 430             | 0.008072         | 670             | 90.992314        | 910             | 0.02484          |
| 440             | 0.007502         | 680             | 18.652971        | 920             | 0.071943         |
| 450             | 0.007519         | 690             | 0.672145         | 930             | 0.109522         |
| 460             | 0.006113         | 700             | 0.082222         | 940             | 0.038431         |
| 470             | 0.00881          | 710             | 0.019998         | 950             | 0.077922         |
| 480             | 0.010487         | 720             | 0.013197         | 960             | 0.040025         |
| 490             | 0.004492         | 730             | 0.03119          | 970             | 0.015758         |
| 500             | 0.006488         | 740             | 0.086772         | 980             | 0.138149         |
| 510             | 0.007779         | 750             | 0.023755         | 990             | 0.346472         |
| 520             | 0.003529         | 760             | 0.014945         | 1000            | 0.370777         |
| 530             | 0.01638          | 770             | 0.038554         | 1010            | 0.144198         |
| 540             | 0.045355         | 780             | 0.066276         | 1020            | 0.240773         |
| 550             | 0.058998         | 790             | 0.012012         | 1030            | 0.227308         |
| 560             | 0.07714          | 800             | 0.013943         | 1040            | 0.253563         |
| 570             | 0.179934         | 810             | 0.080158         | 1050            | 0.692234         |
| 580             | 1.142801         | 820             | 0.00177          | 1060            | 2.58573          |
| 590             | 12.111734        | 830             | 0.002162         | 1070            | 8.298977         |
| 600             | 51.879655        | 840             | 0.010833         | 1080            | 12.789526        |
| 610             | 81.832447        | 850             | 0.015809         | 1090            | 16.816642        |
| 620             | 91.362965        | 860             | 0.110695         | 1100            | 32.771096        |
| 630             | 93.864832        | 870             | 0.023506         |                 |                  |



Blocking: > OD3  
FWHM: 60nm(±5nm)