Given:

|  |  |  |  |
| --- | --- | --- | --- |
|  | B0 | λ (µm) | EL (µm) |
| Line 2.49.3 (Large) | 25.8 | 144.4 | 626 |
| Line 9.31.2 (Small) | 40.5 | 103.3 | 507 |

If B0 = J \* (λ/D) and assuming J remains unchanged

Then for Line 2.49.3 (Large)

B0L = J\*(λL/DL)

25.8 = (144.4/DL)

DL = 5.596

And for Line 9.31.2 (Small)

B0S = J\*(λS/DS)

40.5 = (103.3/DS)

DS = 2.55

If λ2 = D/ω

Then for Line 2.49.3 (Large)

λL2 = DL /ωL

(144.4)2 = (5.596/ωL)

ωL = 2.684 x 10-4

And for Line 9.31.2 (Small)

λS2 = DS/ωS

(103.3)2 = (2.55/ωS)

ωS = 2.389 x 10-4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 | λ (µm) | EL (µm) | D | ω |
| Line 2.49.3 (Large) | 25.8 | 144.4 | 626 | 5.596 | 2.684 x 10-4 |
| Line 9.31.2 (Small) | 40.5 | 103.3 | 507 | 2.55 | 2.389 x 10-4 |