|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Base beam parameters (Copper) | Value | PZT-5H parameters | value | Mass block parameters (Magnet) | value |
| Length, L1 [mm) | 40 | Length, L1[mm] | 40 | Length, L2[mm] | 4 |
| Width, B1 [mm] | 10 | Width, B1[mm] | 10 |  |  |
|  |  | Thickness, H2[mm] | 0.1 | Width, B1[mm] | 25 |
| Thickness, H1[mm] | 0.5 | Thickness, H3[mm] | 0.1 | Thickness, H1[mm] | 4.8 |
| Mass density, ρs [kg/m3] | 7500 | Mass density, ρp [kg/m3] | 7450 | Mass density, ρs[kg/m3] | 7900 |
| Young modulus, Ys [GPa] | 193 | Young modulus, Yp [GPa] | 66 | Young modulus, Ys [GPa] | 193 |
|  |  | Poisson's ratio, μs | 0.28 |  |  |
| Poisson's ratio, μs | 0.3 | Piezoelectric constant, d31 [C/N] | -273e-12 | Poisson's ratio, μs | 0.3 |
|  |  | Relative dielectric constant | 1470 |  |  |