

### Erbium (Er) Sputtering Targets

|                                  |                            |                            |                           |
|----------------------------------|----------------------------|----------------------------|---------------------------|
| Material Type                    | Erbium                     | Theoretical Density (g/cc) | 9.05                      |
| Symbol                           | Er                         | Z Ratio                    | 0.74                      |
| Atomic Weight                    | 167.259                    | Sputter                    | DC                        |
| Atomic Number                    | 68                         | Max Power Density          | 19                        |
| Color/Appearance                 | Silvery White, Metallic    | (Watts/Square Inch)        |                           |
| Thermal Conductivity             | 15 W/m.K                   | Purity:                    | 99.99%, 99.999%, 99.9999% |
| Melting Point (°C)               | 1,529                      |                            |                           |
| Coefficient of Thermal Expansion | 12.2 x 10 <sup>-6</sup> /K |                            |                           |