|  |  |
| --- | --- |
|  | Unit vector in the propagation axis direction |
| ) | Origin, unit vectors of the cartesian coordinate system |
|  | Electric field |
|  | Transversal component of the vector |
|  | Longitudinal component of |
|  | Magnetic field |
|  | Unit vector normal to a surface or a line |
|  | Unit vector tangential to a surface or a line |
|  | Surface current density |
|  | Volume current density |
|  | Volume load density (rho) |
| But | Also metal resistivity |
|  | Surface load density (Sigma) |
| But | Also metal conductivity |
|  | Vector nabla operator |
|  | Laplacian operator (Delta) |
|  | Cross product |
|  | Curl of a vector |
|  | Divergence of a vector |
|  | Gradient of a function |
|  | Complex permittivity (epsilon) |
|  | Loss tangent (Delta) |
| But | Also skin penetration depth |
|  | Surface resistance of a metal |
|  | Metallic losses |
|  | Dielectric losses |
|  | Complex propagation constant |
| Z | Wave impedance |
|  | Characteristic impedance |
| TEM wave | Transverse electromagnetic wave |
| TE wave | Transverse electric wave |
| TM wave | Transverse magnetic wave |

**GLOSSARY**