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C_p Specific Heat Capacity [$J/kg \cdot K$]

D_p Penetration Dept [m]

E Electric Field Intensity [V/m]

f Frequency of Incident Wave [Hz]

K Permeability [m^2]

k Thermal Conductivity [$W/(m \cdot K)$]

k_0 Propagation of Wave

P Microwave Power Level [W]

p Pressure [Pa]

Q Local Volumetric Heat Generations [W/m^3]

T Temperature [$^{\circ}C$]

$\tan \delta$ Loss Tangent Coefficient [-]

t Time [s]

x_c Critical Moisture Content

Greek letters

ρ Density [kg/m^3]

α Thermal Diffusivity [m^2/s]

β Coefficient of Thermal Expansion [1/K]

μ Magnetic Permeability [H/m]

υ Velocity of Microwave [m/s]

λ_0 Wavelength in Free Space [m]

λ_g Wavelength in Waveguide [m]

λ_{mg} Wavelength in Dielectric Materials [m]

ω Angular Frequency [rad/s]

σ Electric Conductivity [S/m]

ε Complex Permittivity [F/m]

ε' Permittivity or Dielectric Constant [-]

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ε''	Dielectric Loss Factor [-]
ε_0	Permittivity of Vacuum [F/m]
δ_{ts}	Time-Scaling Coefficient
λ, λ_{eff}	Effective Thermal Conductivity $[W/m \cdot K]$

Subscripts

∞	Ambient Condition
0	Free Space
c	Capillary
e	Effective
g	Gas
r	Relative
s	Solid
x, y, z	Coordinates