

## List of Symbols

<i>Symbol</i>	<i>Description</i>
Al	Aluminum
A	Actual Contact Area
Ar <sup>+</sup>	Argon Ion
$b_a$	Anodic Tafel Constant
$b_c$	Cathodic Tafel Constant
Cu	Copper
E	Energy
$E_{corr}$	Corrosion Potential
e	Electrons
F	Faraday Constant
$G_{sc}$	Solar Constant
H	Hardness
h	Plank's Constant
$h_{max}$	Maximum Displacement
$I_{corr}$	Corrosion Current
$i_{corr}$	Corrosion Current Density
K	Extinction Coefficient
k	Boltzmann's Constant
m	Mass of the Electron
Ni	Nickel
n	Electron Density
$n$	Refractive Index
$P_i$	Protective Efficiency
P	Porosity
$P_{max}$	Maximum Load
R	Gas Constant
R	Reflectance
$R_p$	Polarization Resistance
$R_a$	Average Surface Roughness
$R_q$	Root Mean Square Surface Roughness
$r_0$	Sun Earth Distance
$r_s$	Mean radius of Sun
S	Stiffness
T	Temperature
$\nu$	Poisson's Ratio
Y	Young's Modulus
$\alpha$	Alpha
$\beta$	Beta
$\epsilon$	Epsilon
$\pi$	Pi
$\lambda$	Wavelength
$\sigma$	Stefan-Boltzmann Constant
$\epsilon_0$	Free Space Permittivity
$\eta$	Eta
$\delta$	Sigma
%	Percentage
$\omega_p$	Plasmon Frequency