

FORMULE NEL FOGLIO DI CALCOLO “Misura Ferriti”

CELLA	FORMULA	NOTE
B8	$Z_s = \sqrt{R_s^2 + X_s^2} \text{ } [\Omega]$	
B9	$L_0 = 4\pi \frac{A_e}{l_e} N^2 \text{ [nH]}$	$A_e \text{ [cm}^2\text{]} \text{ e } l_e \text{ [cm]}$
B10	$\mu' = \frac{X_s}{2\pi f L_0 10^{-6}}$	f [kHz], X_s [Ω] e L_0 [nH]
B11	$\mu'' = \frac{R_s}{2\pi f L_0 10^{-6}}$	f [kHz], R_s [Ω] e L_0 [nH]
B12	$\mu_s = \sqrt{\mu_s'^2 + \mu_s''^2}$	
B13	$A_L = 4\pi \mu_s \frac{A_e}{l_e} \text{ [nH/sp}^2\text{]}$	$A_e \text{ [cm}^2\text{]} \text{ e } l_e \text{ [cm]}$
B14	$tg \delta_m = \frac{\mu_s''}{\mu_s'}$	
B15	$\mu_p' = \mu_s' \left[1 + \left(\frac{\mu_s''}{\mu_s'} \right)^2 \right]$	
B16	$\mu_p'' = \mu_s'' \left[1 + \left(\frac{\mu_s''}{\mu_s'} \right)^2 \right]$	