$$S_o = \frac{(100\%)}{2}\left(\frac{I_f}{R_f}\frac{R_n}{I_n}\right)^{\frac{1}{2}}\left[\frac{S_{In}^{\ 2}}{I_n^{\ 2}} + \frac{S_{If}^{\ 2}}{I_f^{\ 2}} + \frac{S_{Rn}^{\ 2}}{R_n^{\ 2}} + \frac{S_{Rf}^{\ 2}}{R_f^{\ 2}}\right]^{\frac{1}{2}}$$

(AM1-7)