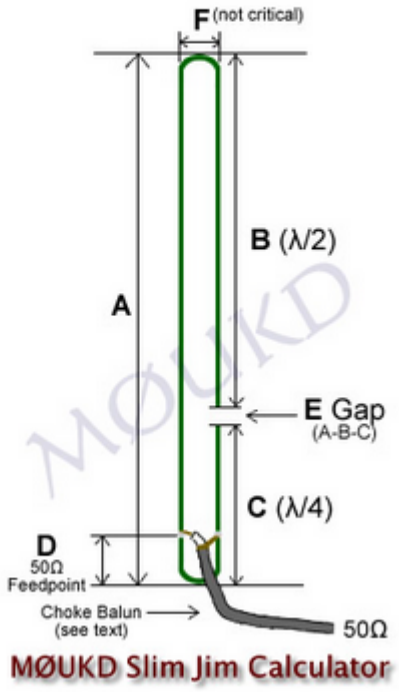
Slim Jim & J-pole - Calculateur

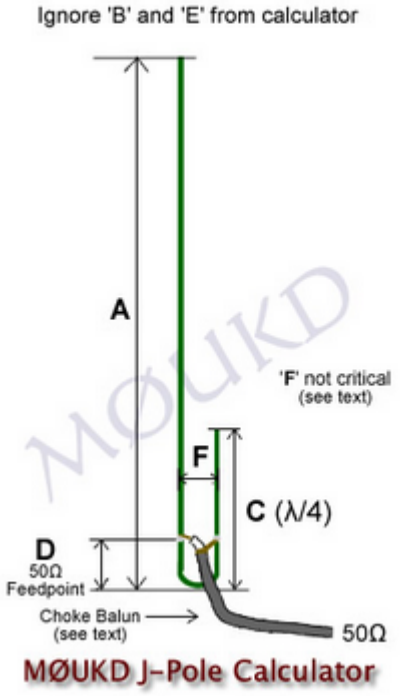
https://www.thethingsnetwork.org/forum/t/antenna-experiment-868mhz-j-pole/3620

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https://m0ukd.com/calculators/slim-jim-and-j-pole-calculator/

Slim Jim / J Pole antenna calculator.		
Frequency	868	MHz
Velocity Factor (see text*)	0.96	vf
Calculate my Slim Jim / J Pole!		
Actual wavelength	0.35	metres
Wavelength considering velocity factor	0.33	metres
A. Overall length (λ/3)*vf (plus gap for Slim Jim)	24.9 25.2	cm (J Pole) cm (Slim Jim)
B. Half wave radiator section (λ/2)*vf	16.6	cm
C. Quarter wave matching section (λ/4)*vf	8.3	cm
D. 50Ω feed point. Adjust for 1:1 SWR. (λ/40)*vf	0.8	cm
E. Gap (λ/100)	0.3	cm
F. Spacing – not critical	0.8	cm
Clear Form		





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