

Repurposing TOKO coils – the capacitors.

I published an article in the November 2021 publication of Practical Wireless Magazine.

Electronic viewing of the magazine, as part of a subscription, is here: <https://pocketmags.com/eu/practical-wireless-magazine>

In the article no mention was made of what type of capacitors to use.

As we are tuning the filter by using variable inductors I usually use fixed value multilayer ceramic capacitors (MLCC), with a dc voltage rating of 25V, a C0G (NP0) dielectric with a 10% tolerance.

I like the Goldmax, 300 Series made by KEMET – they have temperature coefficients of ± 30 ppm/ $^{\circ}$ C and extremely low ESR and ESL values. Here is the datasheet:

https://www.mouser.ie/datasheet/2/212/KEM_C1049_GOLDMAX_C0G-1102120.pdf

They around cost about €0.30 each.

Samuel