



MOOSE JAW AMATEUR RADIO CLUB

TESTING DATA FOR: TYPE 31 CORE: 2631803802

SIZE: 2.4" (60.96MM) OD

PRICE: \$16.07 IN 2025 USE CASE: 1:1 CHOKE

Testing Notes: All tests have been done with a NanoVNA calibrated with alligator clip leads. These are all S21 THRU LOGMAG measurements to determine how much attenuation the core provides for isolation and hindering common mode current.

Best Result:

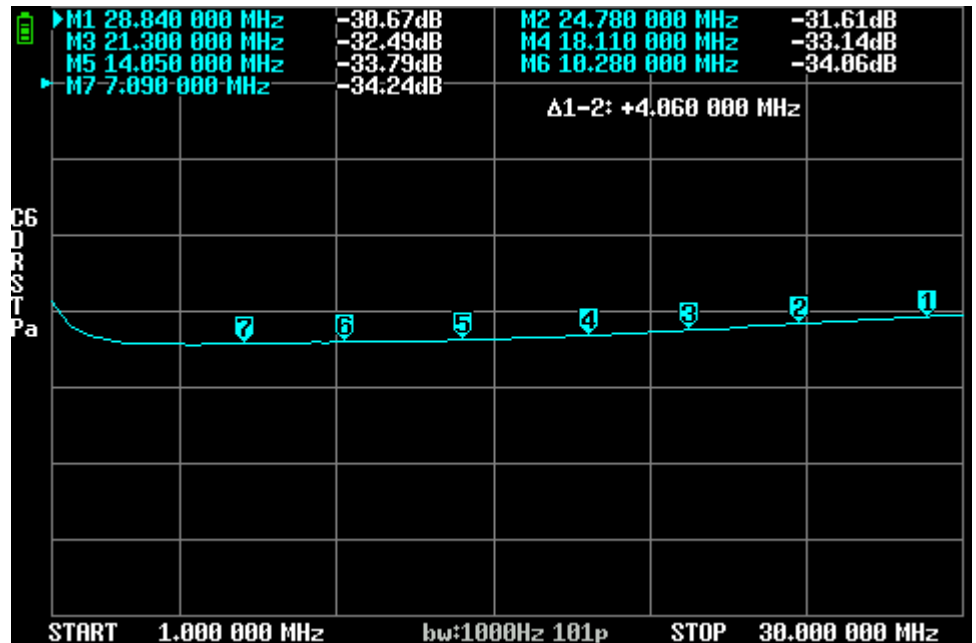
**12 Turns of 14awg solid core wire (Romex) with a cross-over pattern.
Average: -31dB from 40m-10m Bands.**

This core is a stellar performer as a common mode current choke. The larger size of this core makes it a great choice as a home station choke and for using greater than 100 watts.

TEST 1: 12 TURNS 14AWG ROMEX SOLID CORE WIRE WITH A CROSS-OVER PATTERN



Average Loss: -33dB



CONCLUSION:

The Type 31 2631803802 core is a stellar performer as a common mode current choke. Testing of this core was limited because of its noteworthy reputation as a superb performer.

The recommended design choice is 12 turns of 14awg solid core wire (Romex) with the cross over. However, the larger size of this core can easily accommodate coax windings.

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