

## “No loss” capacitor

This simple circuit provides a “perfect” capacitor at frequencies below about 100kHz. The principle has been used to construct fixed-frequency capacitance standards for use in an accurate capacitor bridge. An oven mounted prototype provided a stability of one p.p.m. and a residual phase angle difference from pure capacitance of one micro-radian. All capacitors are silver mica types.

B. J. Frost,  
Paignton,  
S. Devon.

