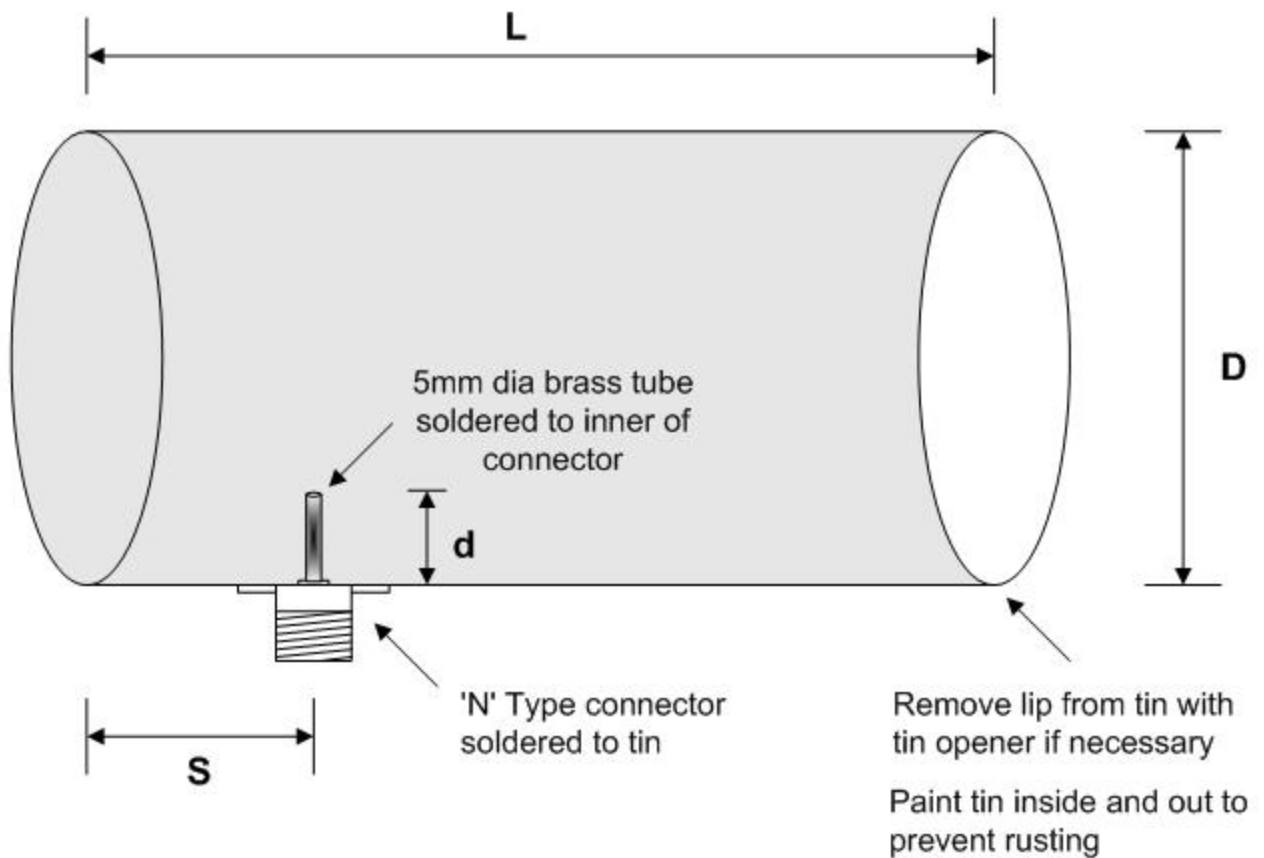


# Tin can microwave antenna construction details



Comparative tests indicate that antenna provides approximately 11dB gain over a dipole

Frequency Type of tin Dimensions

1.3GHz 20 litre Large vegetable oil tin  $D = 279\text{mm}$   $L = 356\text{mm}$   $S = 73\text{mm}$   $d = 50\text{mm}$

2.3GHz Catering size 'Nescafe' tin  $D = 150\text{mm}$   $L = 190\text{mm}$   $S = 48\text{mm}$   $d = 26\text{mm}$

3.5GHz Small 'Farley's first milk tin'  $D = 115\text{mm}$   $L = 100\text{mm}$   $S = 25\text{mm}$   $d = 17\text{mm}$