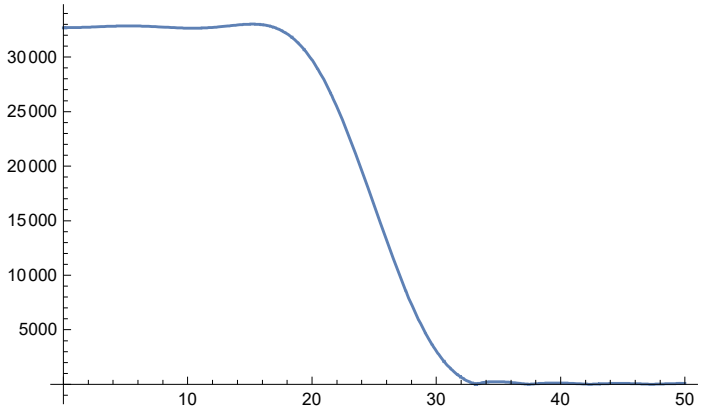
In[84]:=
```
fs = 100*^6;
TwoC[n_] := If[# < 0, 2^n + #, #] &;
ntaps = 15;
range = {};
coeff = Floor[
  32767 * N[Table[If[i ≠ 0, Sin[i 2π / 4] / (π i), 0.5] * KaiserWindow[i / (ntaps - 1)],
     {i, -(ntaps - 1) / 2, (ntaps - 1) / 2}]]]
```

Out[88]=
```
{-306, 0, 1045, 0, -2760, 0, 10173, 16383, 10173, 0, -2760, 0, 1045, 0, -306}
```

In[47]:=
```
response[f_] := ListFourierSequenceTransform[coeff, ω] /. ω -> 2π f / fs
```

In[48]:=
```
Plot[Abs[response[f * 1*^6]], { f, 0, 50 }]
```

Out[48]=



In[92]:=
```
IntegerDigits[Map[TwoC[16], coeff], 2, 16]
```

Out[92]=
```
{{1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0},
 {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1},
 {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0}, {1, 1, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 1, 0, 0, 0},
 {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0}, {0, 0, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1},
 {0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1}, {0, 0, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1},
 {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0}, {1, 1, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 1, 0, 0, 0},
 {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1},
 {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0}, {1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0}}
```