

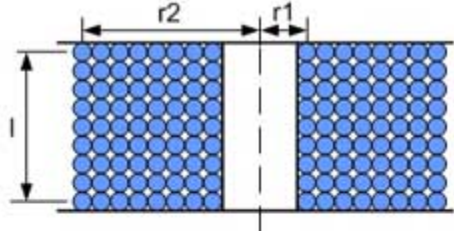


SIC7888 and SIC278 Coil comparison



Calculate with AWG = 37 (Wire diameter = 0.13 mm)

Inductance for SIC7888



Inductance (L):

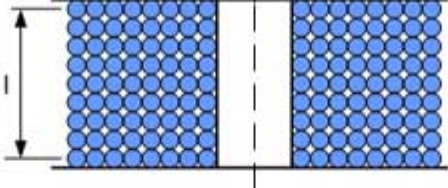
Coil Inner Diameter (d):

Coil Length (l):

Wire Gauge:

Number of Turns (N):	<input type="text" value="429"/>	
Turns per Layer:	<input type="text" value="21.31"/>	
Number of Layers:	<input type="text" value="20.14"/>	
Coil Outer Diameter (D):	<input type="text" value="23.44"/>	<input type="text" value="mm"/>
Wire Diameter:	<input type="text" value="0.13"/>	<input type="text" value="mm"/>
Wire Length:	<input type="text" value="27.59"/>	<input type="text" value="meters"/>
DC Resistance (R):	<input type="text" value="46.36"/>	<input type="text" value="Ohms (at 20°C)"/>

Inductance for SIC278



Inductance (L):

Coil Inner Diameter (d):

Coil Length (l):

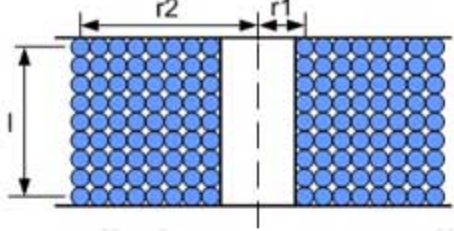
Wire Gauge:

Number of Turns (N):	<input type="text" value="448"/>	
Turns per Layer:	<input type="text" value="21.31"/>	
Number of Layers:	<input type="text" value="21.03"/>	
Coil Outer Diameter (D):	<input type="text" value="23.44"/>	<input type="text" value="mm"/>
Wire Diameter:	<input type="text" value="0.13"/>	<input type="text" value="mm"/>
Wire Length:	<input type="text" value="28.98"/>	<input type="text" value="meters"/>
DC Resistance (R):	<input type="text" value="48.68"/>	<input type="text" value="Ohms (at 20°C)"/>



Calculate with AWG = 38 (Wire diameter = 0.11 mm)

Inductance for SIC7888



Inductance (L):

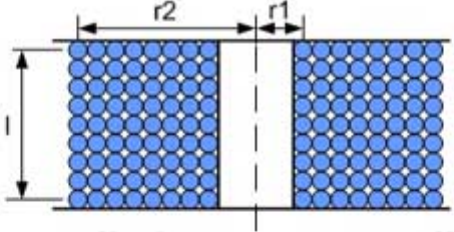
Coil Inner Diameter (d):

Coil Length (l):

Wire Gauge:

Number of Turns (N):	<input type="text" value="436"/>	
Turns per Layer:	<input type="text" value="24.15"/>	
Number of Layers:	<input type="text" value="18.06"/>	
Coil Outer Diameter (D):	<input type="text" value="22.34"/>	<input type="text" value="mm"/>
Wire Diameter:	<input type="text" value="0.11"/>	<input type="text" value="mm"/>
Wire Length:	<input type="text" value="27.32"/>	<input type="text" value="meters"/>
DC Resistance (R):	<input type="text" value="58.1"/>	<input type="text" value="Ohms (at 20°C)"/>

Inductance for SIC278



Inductance (L):

Coil Inner Diameter (d):

Coil Length (l):

Wire Gauge:

Number of Turns (N):	<input type="text" value="455"/>	
Turns per Layer:	<input type="text" value="24.15"/>	
Number of Layers:	<input type="text" value="18.84"/>	
Coil Outer Diameter (D):	<input type="text" value="22.34"/>	<input type="text" value="mm"/>
Wire Diameter:	<input type="text" value="0.11"/>	<input type="text" value="mm"/>
Wire Length:	<input type="text" value="28.64"/>	<input type="text" value="meters"/>
DC Resistance (R):	<input type="text" value="60.91"/>	<input type="text" value="Ohms (at 20°C)"/>