



Design Input

Shape Selection:

Toroid Design

Material Selection:

High Flux

DC Current (Amps): ?

20

Peak to Peak Ripple (Amps): ?

6.4

Frequency (kHz): ?

9

Peak Current Inductance (μH): ?

4000

Specified Current (Amps): ?

20

Temperature Rise (°C): ?

Stack Cores: ?

1

RESET

FIND PART NUMBERS

Magnetics Part Numbers

Part No	Specification	Core OD(mm)	Size Code
58339	Datasheet	132.6	337
58338	Datasheet	132.6	337
58337	Datasheet	132.6	337
58336	Datasheet	132.6	337
58167	Datasheet	165.1	165
58165	Datasheet	165.1	165
58164	Datasheet	165.1	165

Enter Selected Part Number

58167

DESIGN OUTPUT

OD

166.5

mm

Perm

60

μ

A_L

180

nH/T²

HT

33.2

mm

ID

101.0

mm

PLOT DESIGN

Design Output Adjustments

Turns:

AWG:

Strand:

Design Output

Min Inductance @ Full Load (μH): ?	<input type="text" value="4054"/>
Nom Inductance @ No Load (μH): ?	<input type="text" value="6566.6"/>
Min Inductance @ Specified Current (μH): ?	<input type="text" value="4478.6"/>
Core Loss (W): ?	<input type="text" value="5.3"/>
Copper Loss (W): ?	<input type="text" value="15.7"/>
Total Losses (W): ?	<input type="text" value="21"/>
Temperature Rise (°C): ?	<input type="text" value="20"/>
Number of Turns: ?	<input type="text" value="191"/>
Wire Size (AWG): ?	<input type="text" value="18"/>
Winding Factor (%): ?	<input type="text" value="44.8%"/>
DC Resistance (mΩ): ?	<input type="text" value="38.5"/>
Finished OD (mm):	<input type="text" value="209"/>
Finished HT (mm):	<input type="text" value="76"/>
Total Wire Length (mm):	<input type="text" value="735,081"/>

