

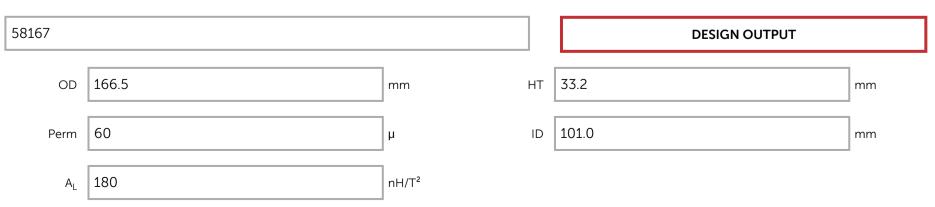
Design Input

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	
Stack Cores.			
	R	ESET	FIND PART NUMBERS

Magnetics Part Numbers

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

Enter Selected Part Number



PLOT DESIGN

Design Output Adjustments								
Turns:								
AWG: 18								
Strand: 20								
Design Output								
Min Inductance @ Full Load (μΗ): ?		4054						
Nom Inductance @ No Load (μΗ): ?		6566.6						
Min Inductance @ Specified Current (µH):		4478.6						
Core Loss (W):		5.3						
Copper Loss (W):		15.7						
		21						
Total Losses (W):		20						
Temperature Rise (°C):								
Number of Turns: ?		191						
Wire Size (AWG): ?		18						
Winding Factor (%): ?		44.8%						
DC Resistance (m Ω):		38.5						
Finished OD (mm):		209						
Finished HT (mm):		76						

Total Wire Length (mm):

735,081