

Rev	Description	By	Date
2	Changed DCR to 2.5mOhm max per actual sample result	SO	16-Aug-23
3	Changed core to lower the ACR and core loss	SO	20-Jan-25

**ELECTRICAL SPECIFICATIONS @ 25°C**

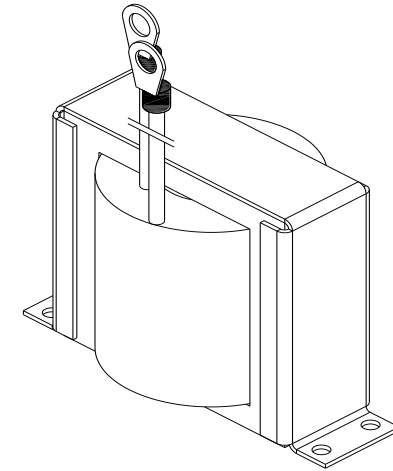
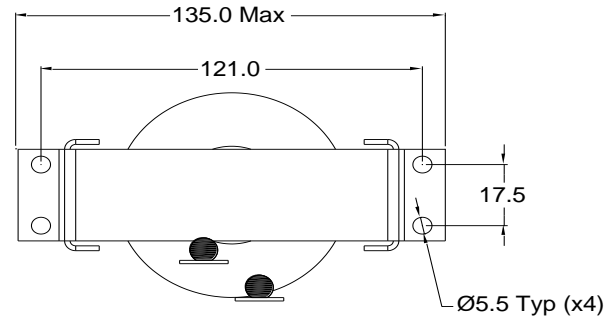
Switching Frequency: 86KHz, SQ Wave  
74A<sub>RMS</sub> Nom, 100A<sub>RMS</sub> Max

OCL (1-2): 12.0µH ±10% @ 100KHz, 0.1V<sub>RMS</sub>  
I<sub>SAT</sub>: ΔL <5% at 74A<sub>RMS</sub>  
ΔL <10% at 100A<sub>RMS</sub>

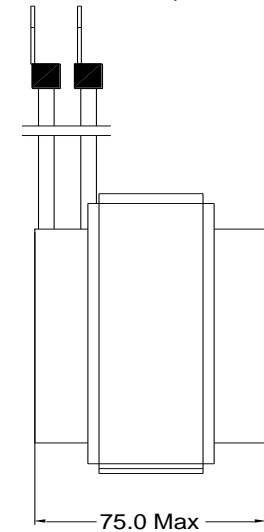
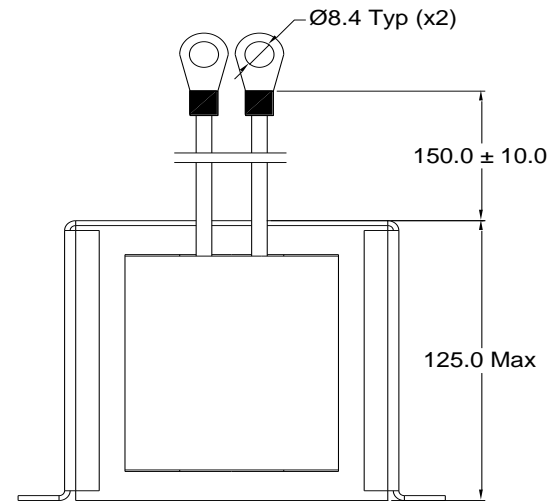
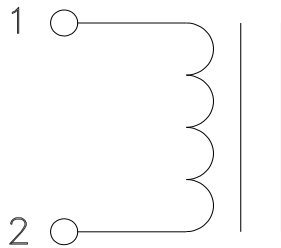
DCR (1-2): 2.8mΩ Max  
ACR (1-2): 12mΩ Max at 100KHz, 0.1V<sub>RMS</sub>

Q: 300 Min @ 100KHz  
SRF: 500KHz Min  
Hipot (winding to case): 3KV<sub>RMS</sub>, 2mA, 10S  
Operating Temp: -40°C to +155°C  
RoHS: Yes

**DIMENSIONS**




**SCHEMATIC**



**MARKING**

MPS  
P16118B\_Rev#  
DATE CODE

Dimensions: mm

		<b>MPS INDUSTRIES, INC.</b> <a href="http://www.mpsind.com">www.mpsind.com</a> Tel: (310) 325-1043 Fax: (310) 325-1044	
		Description	
		<b>RESONANT INDUCTOR</b>	
Part Number	<b>P16118B</b>	REV	<b>3</b>
WEIGHT: XX gms		SHEET: 1 OF 1	

<b>Notice of Proprietary Property</b> These drawings and specifications are the property of MPS and shall not be reproduced, copied or used as the basis of manufacture of sale of apparatus without express written authorization			
Dimensions	DRAWN BY:	SO	14-Aug-23
Unless otherwise specified	CHECKED BY:	SO	14-Aug-23
.XX ± .010" [0,254mm]			
.XXX ± .005 [0,13mm]			