

Rev	Description	By	Date
3	Change core to lower the ACR and core loss.	TC	18-Oct-23
4	Add mounting enclosure	SO	12-Mar-24

ELECTRICAL SPECIFICATIONS @ 25°C

Switching Frequency: 86KHz, SQ Wave
74A_{RMS} Nom, 100A_{RMS} Max

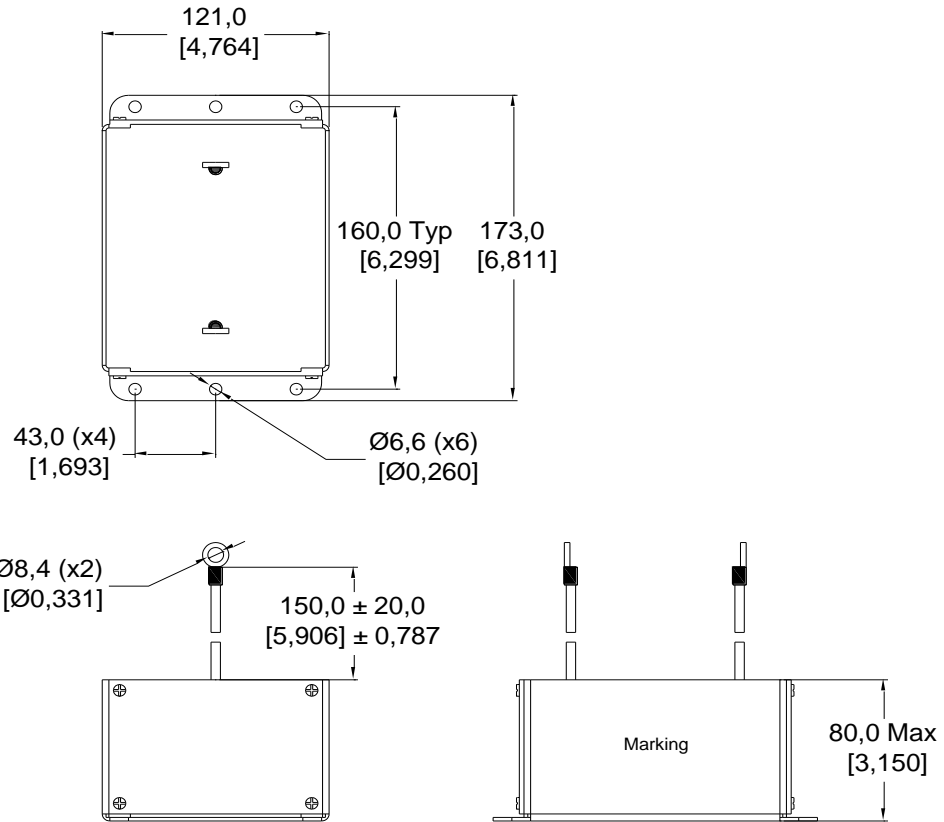
OCL (1-2): 12.0µH ±10% @ 100KHz, 0.1V_{RMS}
I_{SAT}: ΔL <5% at 74A_{RMS}
ΔL <10% at 100A_{RMS}

DCR (1-2): 2.0mΩ Max
ACR (1-2): 12mΩ Max @100KHz, 0.1V_{RMS}

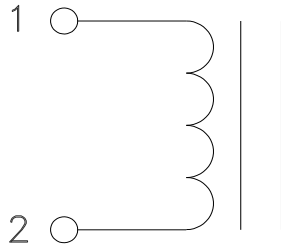
Q: 300 Min @ 100KHz
SRF: 500KHz Min

Hipot (winding to core): 3KV_{RMS}, 2mA, 10S
Operating Temp: -40°C to +155°C
RoHS: Yes

DIMENSIONS




SCHEMATIC



MARKING

MPS
P16118_Rev#
DATE CODE

Dimensions: mm/ [inches]

		MPS INDUSTRIES, INC. www.mpsind.com Tel: (310) 325-1043 Fax: (310) 325-1044	
		Description	
RESONANT INDUCTOR			
Part Number		REV	
P16118		4	
WEIGHT: XX gms		SHEET: 1 OF 1	

Notice of Proprietary Property			
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Dimensions	DRAWN BY:	TC	18-Oct-23
Unless otherwise specified	CHECKED BY:	TC	18-Oct-23
.XX ± .010" [0,254mm]			
.XXX ± .005 [0,13mm]			