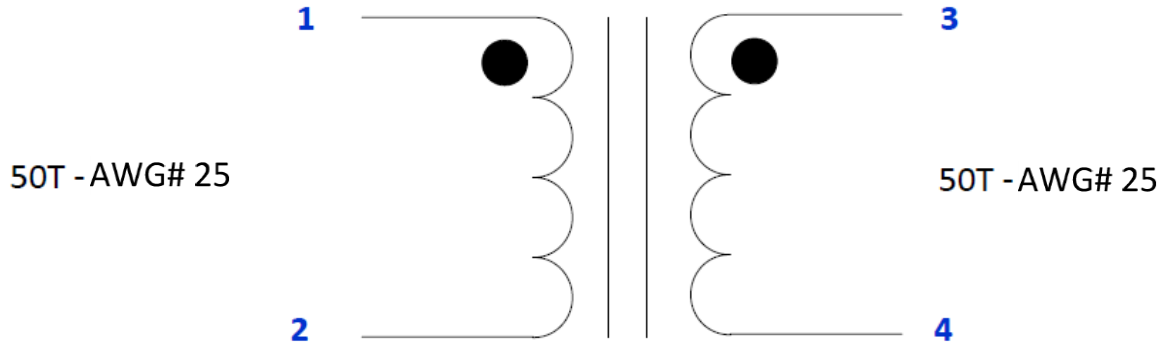


DER-801_L1_Common Mode Choke_June 23 2020

1 Common Mode Choke for DER-801

1.1 Electrical Diagram



1.2 Electrical Specifications

Parameter	Condition	Spec.
Inductance	Pins 1-2, 3-4 measured at 100kHz	20mH, ± 25%

1.3 Material List

Item	Description
[1]	Core: YJ15K (ENCOM Ltd.-China) AL = 9000 nH/N2 (minimum) Mfg P/N: YJ15K-T18/10/7C PI P/N: 30-00398-00
[2]	Divider – Cable Tie, Locking, 0.07" width
[3]	Magnet Wire: #25 AWG
[4]	Number of Turns: 50 each section

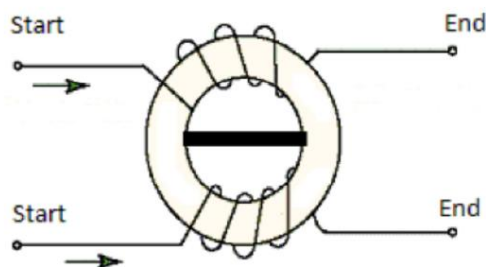
*T18/10/7C is the physical size, YJ15K is the core type

1.4 *Input Common Mode Choke Construction (L1)*

- 1 Insert two cable ties (see picture below) in the core across each other to divide into 2 sections equally.



- 2 Start winding on one section and completely fill up the section for the 1st then spread equally the remaining turns on the 2nd layer.
- 3 Repeat Step 2 for the other section winding. Make sure it starts from the SAME side and winding direction as the other section. See picture below.



Finished Product

