

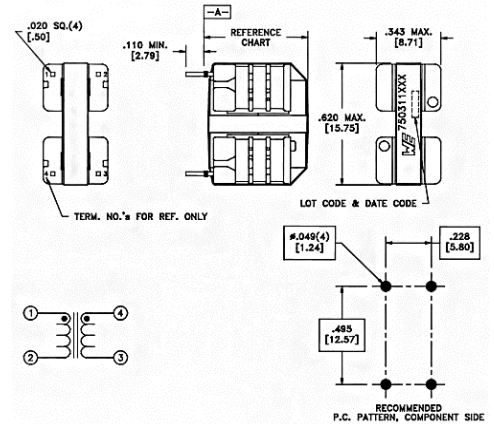
Dual Coil



Common and Differential Mode Choke for US Lighting Applications



Dimensions (in mm)



Electrical Properties

Part Number	L _{TYP} (mH)	L _{LKG-MIN} (mH)	I _{SAT} ¹ (mA)	I _{RMS} ² (mA)	SRF _{TYP} (kHz)	DCR ³ (Ω)	Size LxWxH (mm)
750311861	2.5	0.3	800	760	1500	0.7	8.7 x 15.8 x 13.6
750311895	6	0.7	500	450	850	1.6	8.7 x 15.8 x 13.6
750311896	10	1.1	350	370	800	2.5	8.7 x 15.8 x 13.6
750311897	24	2.5	250	240	440	6.3	8.7 x 15.8 x 13
750311650	45	4	200	180	300	10	8.7 x 15.8 x 13
750311898	57	6.5	150	160	280	15.7	8.7 x 15.8 x 13
750311899	140	19	100	90	190	39	8.7 x 15.8 x 13

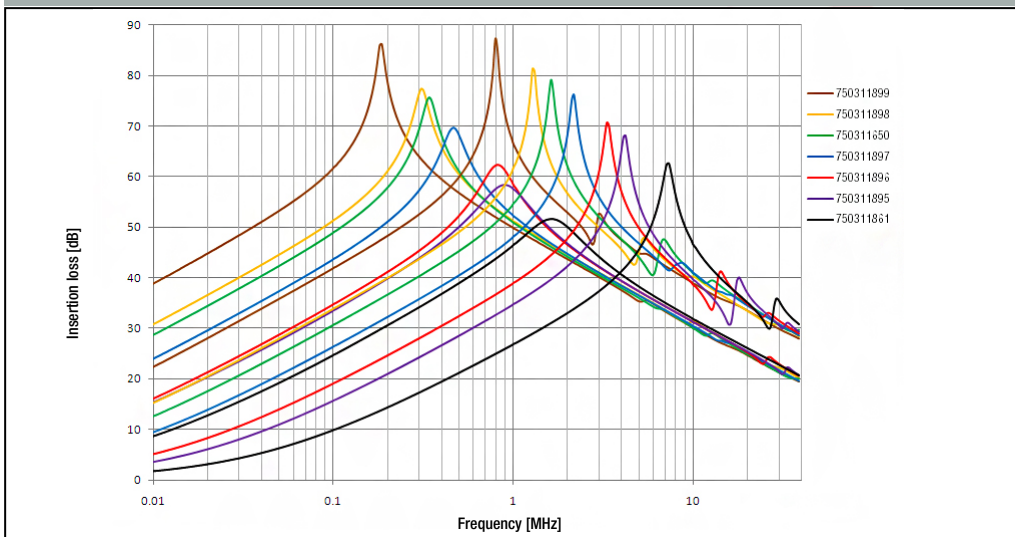
Notes:

1. The current which causes 20% roll off from the inductance at no DC.
2. The heating current which causes a temperature rise of 40°C with no heat sinking.
3. Typical DCR is for one coil only; double this for both coils in series.
4. Electrical specifications @ 25°C unless otherwise noted.

Characteristics

- Common mode and differential mode choke all-in-one
- High suppression of common mode and differential mode noise
- High differential inductance
- Extremely compact design
- Reduces number of components
- Small PCB footprint
- Dielectric rating of 1500 VAC
- Operating temperature: -40°C to 125°C
- Designed for UL1993 US lighting applications

Common Mode and Differential Mode Attenuation



Applications

- LED lighting
- CCFL lighting
- Offline switching power
- Suppression of both common and differential mode noise
- Filtering on device with unstable ground
- Power line input and output filters
- Power electronics
- Electronic ballasts
- White goods
- Power tools

Details subject to change.
© Würth Electronics Midcom Inc. 2011
Rev. 1 – 8/11