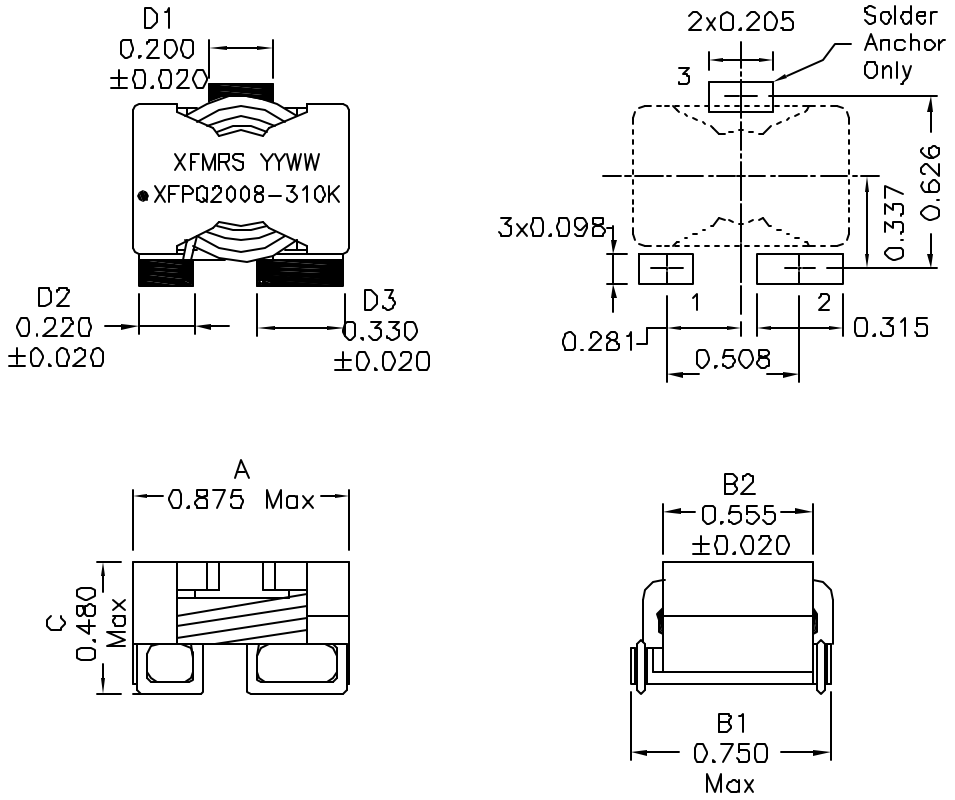
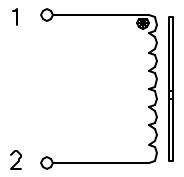
1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

OCL: 31.4uH±10% @10KHz 1.0V, 0Adc
Q: 15 Min @100KHz 1.0V
IDC: 30.6uH Typ @10KHz 1.0V, 6.7Adc
DCR: 20.2mOhms±8%
Saturation Current Isat: 8.4A Typ (OCL 20% drop in OCL) @25°C
8A Typ (OCL 20% drop in OCL) @100°C
Heating Current IDC: 6.7A Typ (OCL 40°C Temp Rise)

Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +130°C
6. Storage Temperature Range: -55°C to +130°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

DOC. REV: A/1

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XFMRS Inc www.XFMRS.com	Title: XFPQ2008 SMT POWER INDUCTORS		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.010 Dimensions in Inch	P/N: XFPQ2008-310K		REV. A
	DWN.	Mei Chen	Mar-08-10
	CHK.	YK Liao	Mar-08-10
SHT 1 OF 1	APP.	Joe Huff	Mar-08-10