PASSIVE POWER FACTOR CORRECTION INDUCTORS

P1900 SERIES



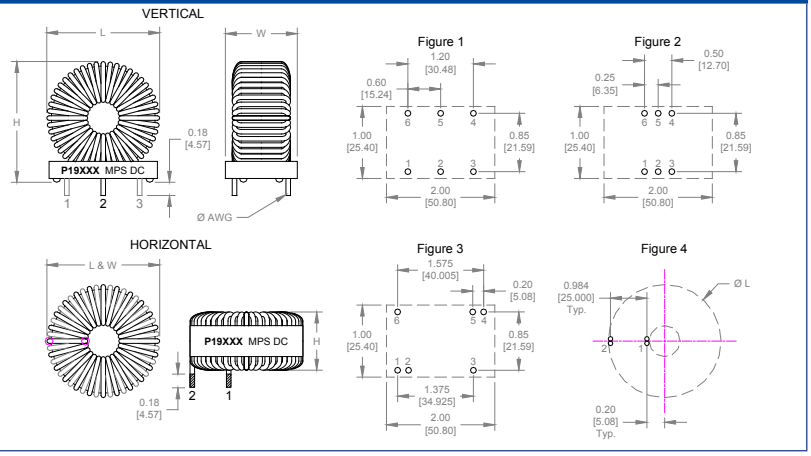
- Designed for use in off-line AC-DC pre-regulators circuits for switching power converters applications
- Low core loss and high flux density
- Insulation class system: B (130°C), F (155°C) or H(180°C)
- Dielectric Withstanding Voltage (DWV): 2KV$_{RMS}$
- Operating Temperature: -20°C to +105°C
- RoHS Compliant Product
- Custom Design Available

ELECTRICAL PARAMETERS @ 25°C

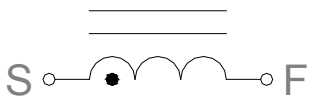
Part Number	L (µH MIN)[1]	Terminal[3] (S-F)	DCR (mΩ MAX)[1, 2]	I @ 80% L (A^{DC})	I @ 65% L (A^{DC})	I @ 50% L (A^{DC})	I @ 30% L (A^{DC})	Pins Dia. (Ø AWG)	LxWxH (in. MAX)	PCB Mounting Layout
P19000	240	1-5, 2-4	28	16.50	37.00	60.00	60.00	14 x 2	2.7x1.0x2.8	V / Fig. 2
P19001	290	1-5, 2-4	53	14.80	33.00	53.50	53.50	14 x 2	2.7x1.0x2.8	V / Fig. 2
P19002	400	1-5, 2-4	120	10.60	24.00	38.50	38.50	15 x 2	2.6x1.0x2.7	V / Fig. 3
P19003	440	1-5, 2-4	55	12.20	27.00	44.00	44.00	15 x 2	2.6x1.0x2.7	V / Fig. 3
P19004	440	1-5, 2-4	55	12.20	27.00	44.00	44.00	15 x 2	2.6x2.6x1.0	H / Fig. 4
P19005	490	1-5, 2-4	118	11.20	25.00	40.50	40.50	15 x 2	2.6x1.0x2.7	V / Fig. 3
P19006	500	1-5, 2-4	90	11.40	26.00	41.50	41.50	15 x 2	2.6x1.0x2.7	V / Fig. 3
P19007	820	2-5	95	7.50	17.00	27.00	27.00	14	2.7x1.0x2.8	V / Fig. 1
P19008	1600	2-5	241	6.40	14.00	23.00	23.00	15	2.7x1.0x2.8	V / Fig. 1
P19009	2000	2-5	286	5.70	13.00	20.50	20.50	15	2.7x1.0x2.8	V / Fig. 1

1. Test conditions: 10KHz, 1V$_{RMS}$.
2. Combined resistance of the "**x2**" winding.
3. Only those assigned terminals will have the self-lead pins.

DIMENSIONS (mm)



SCHEMATICS



Dimensions
Unless otherwise specified, all tolerances are:
inch: .XX : ±0.015 .XXX : ±0.004
mm: X,X : ±0,38 X,XX : ±0,10

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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