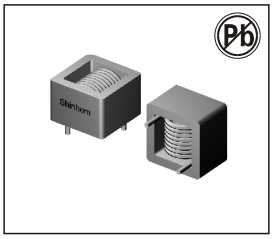
NO-BOARD TYPE HIGH CURRENT POWER INDUCTORS
HR1312 SERIES



FEATURES:

- Shielded Construction.
- Lowest DCR/μH,in this package size.
- Handles High Transient Current Spikes Without Saturation.
- The Products Contain no Lead and also Support Lead–free Soldering.

COMMON APPLICATIONS:

- Power Line Filter for DC–DC Converter.
- Switching Power Supplier.
- Personal Computers and Other handheld Electronic Equipment.

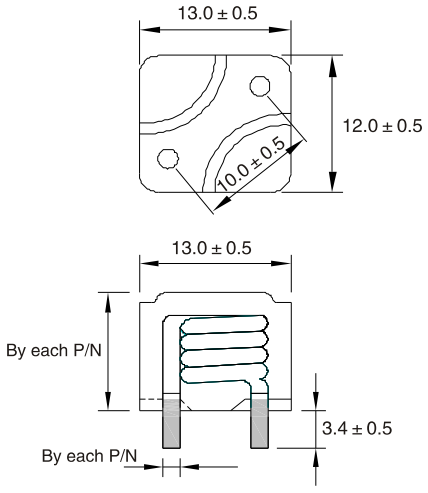
ELECTRICAL CHARACTERISTICS:

Part Number	L(0A) μH ± 20%	C (mm)Max	D (mm) ± 0.1	DCR(mΩ)		Irms(A) Typ	Isat(A) Typ
				Typ	Max		
HR1312–R22M	0.22	9	1.7	0.40	0.55	45	60
HR1312–R30M	0.30	9	1.7	0.55	0.70	40	60
HR1312–R33M	0.33	9	1.7	0.55	0.70	40	60
HR1312–R39M	0.39	9	1.7	0.55	0.70	40	60
HR1312–R47M	0.47	10	1.7	0.70	0.80	40	60
HR1312–R50M	0.50	10	1.7	0.70	0.80	40	60
HR1312–R56M	0.56	10	1.7	0.70	0.80	40	60
HR1312–R60M	0.60	10	1.7	0.70	0.80	40	60
HR1312–R68M	0.68	10	1.7	0.70	0.80	40	50
HR1312–R80M	0.80	10	1.7	0.70	0.85	40	50
HR1312–1R0M	1.00	10	1.5	1.20	1.35	30	50
HR1312–1R2M	1.20	10	1.5	1.20	1.50	30	40
HR1312–1R5M	1.50	10	1.4	1.50	1.70	25	30
HR1312–2R0M	2.00	10	1.2	2.90	3.30	17	25
HR1312–2R2M	2.20	10	1.2	2.90	3.30	17	25

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Dimensions(mm)



Winding

1. All test Data is referenced to 25℃ambient.
2. Testing Instrument: L: HP4192A, CH1302, CH3320, CH3320S LCR METER / Ddc: Agilent33420A Micro OHMMETER.
3. Irms will cause the coil temperature rise Approximately ΔT=40℃ without core loss.
4. Isat will cause L0 to drop approximately 20%.
5. The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions.
6. Operating Temperature & Storage Temperature: –25℃ – +125℃.