

SMD HIGH CURRENT POWER INDUCTORS

LPA 1260 SERIES

FEATURES:

- High current, low loss of iron powder core
- Low profile for machine placement
- Minimize electromagnetic interference
- Suppress common mode noise
- Prevent EMI effect via precise impedance
- Custom design available

COMMON APPLICATIONS:

- Servers and workstations
- Data networking and storage systems
- Notebook and desktop computers
- Graphics cards and battery power systems
- Multi–phase regulators

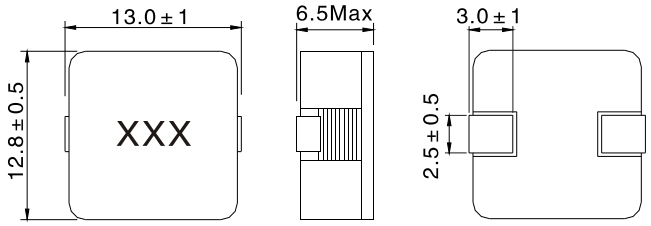
ELECTRICAL CHARACTERISTICS:

Part Number	Codes	Inductance L0(μH) ± 20% @0Adc	Heat rating current DC Amps IDC(A)	Saturation current DC Amps Isat(A)	DCR Max. (mΩ).
LPA1260–R22M	R22	0.2	32.0	65.0	0.39
LPA1260–R47M	R47	0.47	30.0	50.0	0.74
LPA1260–R82M	R82	0.82	27.0	35.0	0.99
LPA1260–1R3M	1R3	1.3	25.0	25.0	1.98
LPA1260–2R0M	2R0	2.0	23.0	22.0	2.86
LPA1260–2R8M	2R8	2.8	20.0	17.5	3.63
LPA1260–3R7M	3R7	3.7	17.0	16.0	5.39
LPA1260–4R7M	4R7	4.7	13.0	15.0	7.70
LPA1260–6R0M	6R0	6.0	12.0	14.0	9.24
LPA1260–7R3M	7R3	7.3	13.0	12.0	6.49
LPA1260–9R2M	9R2	9.2	12.0	10.5	8.58
LPA1260–110M	110	11.3	11.0	9.5	10.0
LPA1260–130M	130	13.0	10.0	9.0	12.32
LPA1260–150M	150	15.4	9.0	8.0	16.28
LPA1260–220M	120	22.0	6.0	6.5	27.17

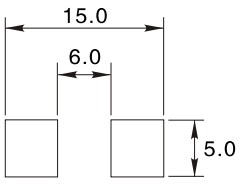
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

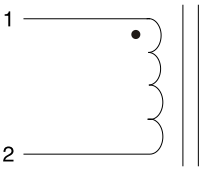
Dimensions(mm)



Land patterns



Winding



Note:

- Test frequency: 100KHz,0.1V
- Testing Instrument : L:HP4284A, WK3260B, WK3261A
- All test data is referenced to 25℃ ambient
- Idc: DC current (A) that will cause an approximate △T of 50℃
- Isat: DC current (A) that will cause Lo to drop approximately 30%
- Operating Temperature Range –55℃ to +125℃
- The part temperature (ambient t temp rise) should not exceed 125℃ under worse case operating Conditions. Circuit design, component placement. PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. part temperature should be verified in The end application.
- Packing: 500PCS/REEL

Note:All specifications subject to change without notice.