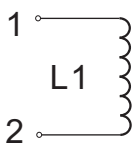


Power Inductor for Digital Amplifier

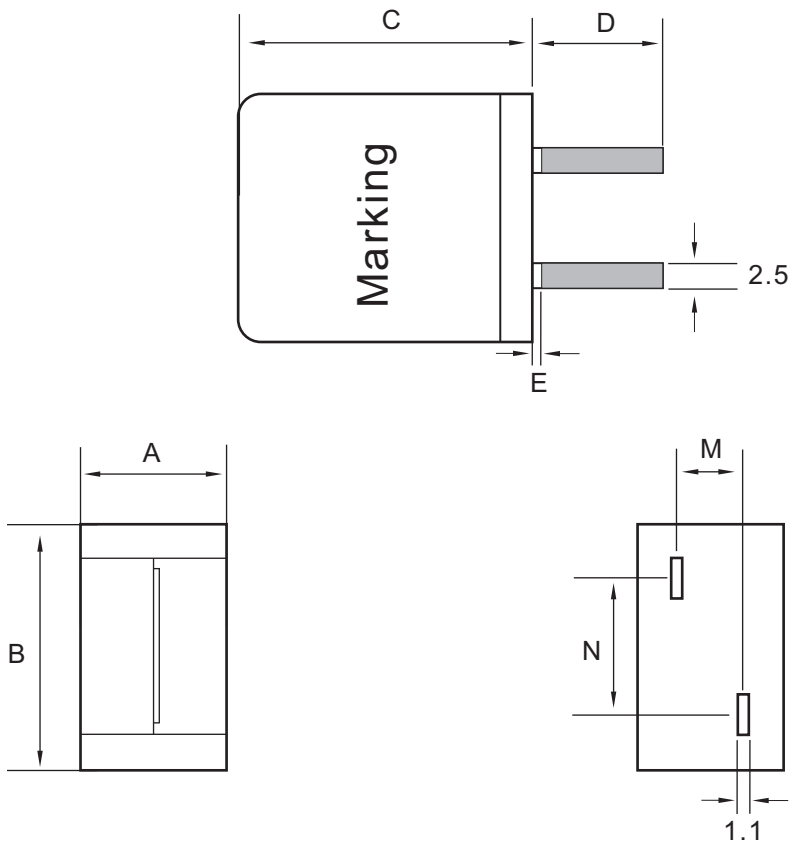


Features and Applications

- Compact size using flat wire.
- Low radiation noise by magnetically shielded construction.
- Small size, low resistance and high current.
- Electrical Schematic:



Dimensions and Footprint (Unit:mm)



Type	A	B	C(Max.)	D	E(Max)	N(Ref)	M(Ref)
TPD1410	9.6±0.3	14.0±0.3	16	3.5±0.5	0.5	9.2	4.4

Electrical Specifications-TPD1410

P/N	INDUCTANCE (uH)	DCR(mΩ) Max.(Typ.)	IDC(A) Max.(Typ.)			I _{rms} (A) (Max.)	
			Δ≤10%	Δ≤20%	Δ≤30%	Δ≤20%	Δ≤40%
TPD1410-100K	10±10%	5.9(5.3)	8.5(10.5)	10.5(12)	11(13)	5.8	8
TPD1410-150K	15±10%	8.3(6.6)	6.9(8.0)	8.0(10)	9.0(10.5)	5.5	7.5
TPD1410-220K	22±10%	10(8.1)	6.0(7.4)	7.5(8.7)	8.2(9.2)	4.7	6.8
TPD1410-270K	27±10%	15.7(12.8)	5.6(6.8)	6.8(8.2)	7.5(9.0)	3.8	5.5
TPD1410-330K	33±10%	17.5(14.6)	4.8(5.5)	6.1(6.5)	6.2(6.8)	3.5	5.2