

HDPI125 Series

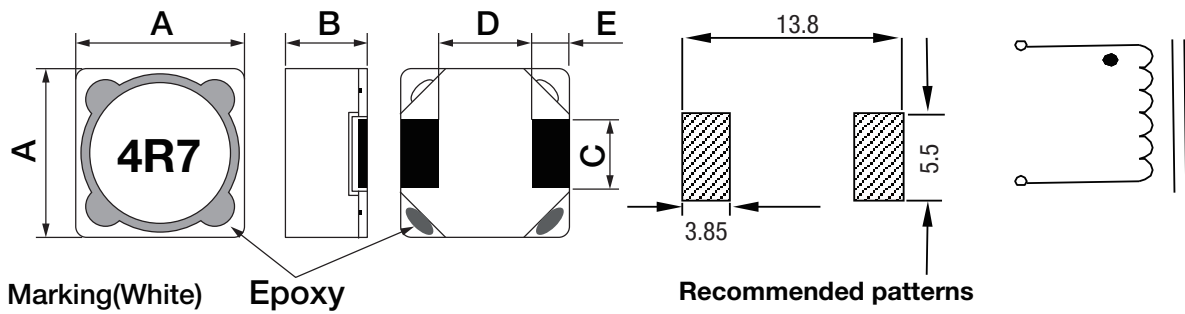
FEATURES

- Various high power inductors are superior to be high saturation for surface mounting.
- AEC-Q200 Qualified, High power density, high efficiency, shielded drum core power inductors
- Magnetically shielded-reduces EMI, Ferrite core material

APPLICATIONS

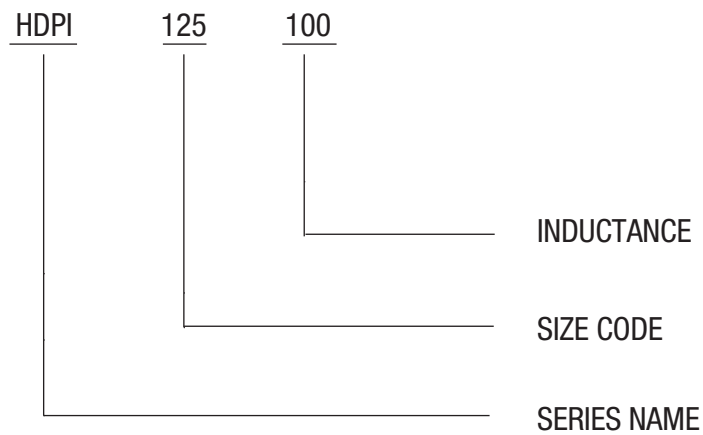
- Automotive(LDM, Body electronics, Engine and powertrain systems)
- Handles high transient inrush current spikes
- Portable media players
- GPS/PDAs, Battery operated devices

DIMENSIONS(mm)



A	B	C	D	E
12.3±0.3	6.5 Max.	5.0±0.2	7.0±0.3	2.4±0.3

IDENTIFICATION



ENVIRONMENTAL DATA

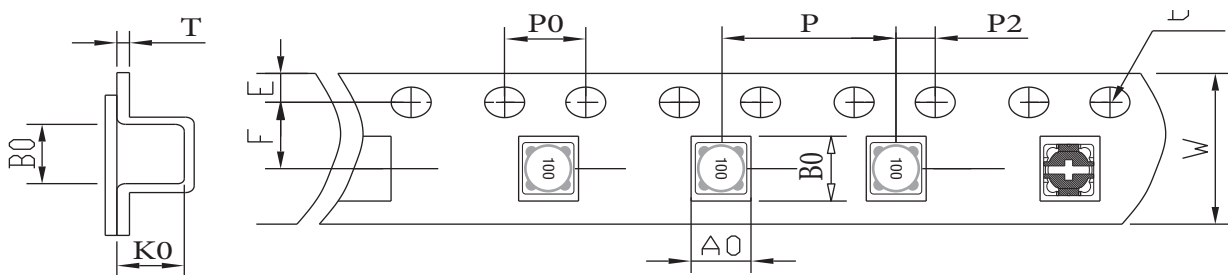
- Storage temperature range (component) : -40°C to +155°C
- Operating temperature range : -40°C to +155°C (Ambient plus self temperature rise)
- Solder reflow temperature : J-STD-020D
- Compliant Halogen free, lead free, RoHS compliant



HDPI Series Line-Up

Part. No.	Inductance @1MHz[μH]	DC Resistance[mΩ] Typ(Max)	Saturation CurrentI _{sat} 30% [A] Typ.	Rated CurrentI _{dc} [A] Typ. (ΔT = 40°C)
HDPI125-100-R	10 ±20%	17(21)	6.15	5.85
HDPI125-150-R	15 ±20%	27(33)	5.25	4.26
HDPI125-220-R	22 ±20%	33(42)	4.85	4.26
HDPI125-330-R	33 ±20%	52(64)	3.75	3.50
HDPI125-470-R	47 ±20%	75(97)	3.15	2.85
HDPI125-680-R	68 ±20%	120(144)	2.67	2.45
HDP125-101-R	100 ±20%	165(214)	2.30	2.10

REEL TAPE SPECIFICATION



Part No.	W	A0	B0	K0	D	F	E	P	P0	P2	T
HDPI125	24.0 ±0.3	12.7 ±0.1	12.7 ±0.1	6.8 ±0.1	1.5 ±0.1	11.5 ±0.1	1.75 ±0.1	16.0 ±0.2	4.0 ±0.1	2.0 ±0.1	0.4 ±0.05

