

HDPI127 Series

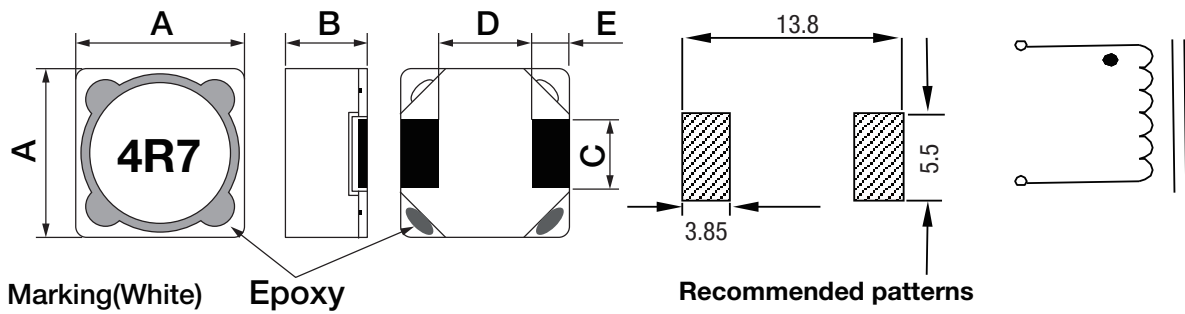
FEATURES

- 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

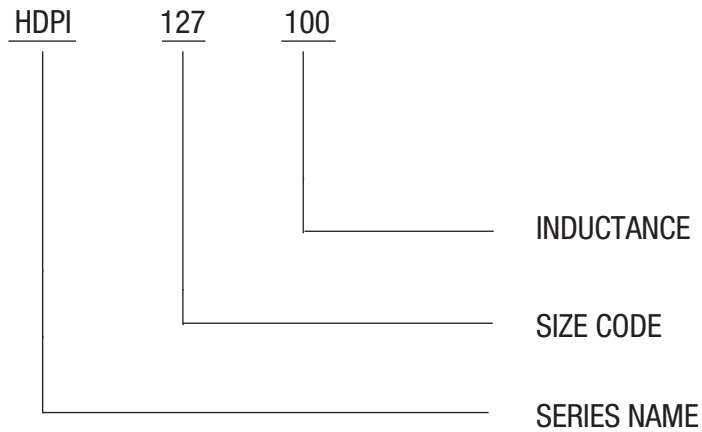
- Automotive(LDM, Body electronics, Engine and powertrain systems)
- Handles high transient inrush current spikes
- Portable media players
- GPS/PDAs, Battery operated devices

DIMENSIONS(mm)



A	B	C	D	E
12.3±0.3	8.0 Max.	5.0±0.2	7.0±0.3	2.4±0.3

IDENTIFICATION



ENVIRONMENTAL DATA

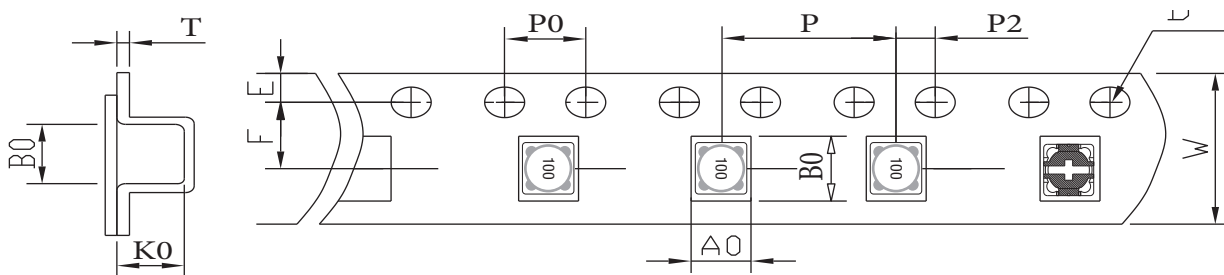
- Storage temperature range (component) : -40°C to +155°C
- Operating temperature range : -40°C to +155°C (Ambient plus self temperature rise)
- Solder reflow temperature : J-STD-020D
- Compliant Halogen free, lead free, RoHS compliant



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)
HDPI127-100-R	10 ±20%	18(23)	13.5	7.2
HDPI127-150-R	15 ±20%	27(32)	10.5	5.8
HDPI127-220-R	22 ±20%	34(47)	9.5	5.5
HDPI127-330-R	33 ±20%	47(72)	7.5	4.5
HDPI127-470-R	47 ±20%	90(105)	5.8	3.6
HDPI127-680-R	68 ±20%	98(138)	5.4	3.0
HDP127-101-R	100 ±20%	149(210)	4.2	2.6

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	8.3 ±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	0.5±0.05

