



Molded High Current Power Inductors - SEP0605ETM



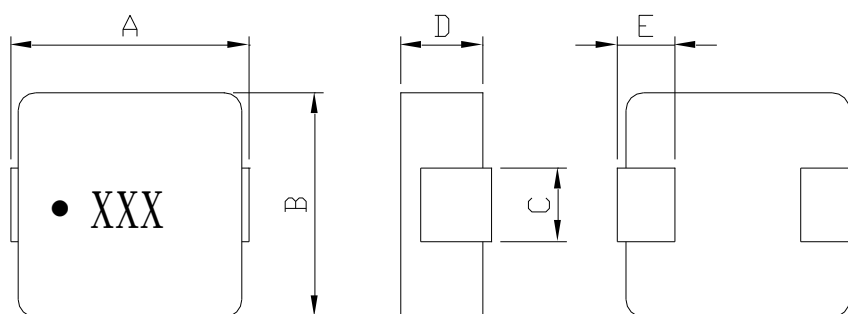
PART NUMBERING SYSTEM

<u>SEP</u>	<u>0605ETM</u>	—	<u>4R7</u>	—	<u>LF</u>	—	<u>A</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE		AUTOMOTIVE

FEATURES :

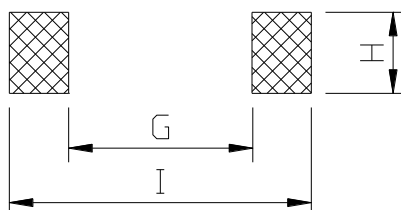
- Magnetically shielded and Lowest DCR, in this package size .
- Inductance range : 4.7uH to 10uH with DC Current up to 10A.
- Ideal for DC – DC converter inductor application.
- Utilizes our proprietary iron powder technology to achieve exceptionally low DCR while maintaining high saturation and rated current.
- Ultra low buzz noise, due to composite construction .
- Lead Free with RoHS & REACH compliant .
- Customized part available

SHAPES AND DIMENSIONS :



A=7.30±0.30 B=6.60±0.30 C=3.0±0.3 D=5.0 Max. E=1.6 Ref. UNIT : mm

RECOMMENDED PATTERNS



H=3.5 G= 2.6 I = 7.4 UNIT : mm

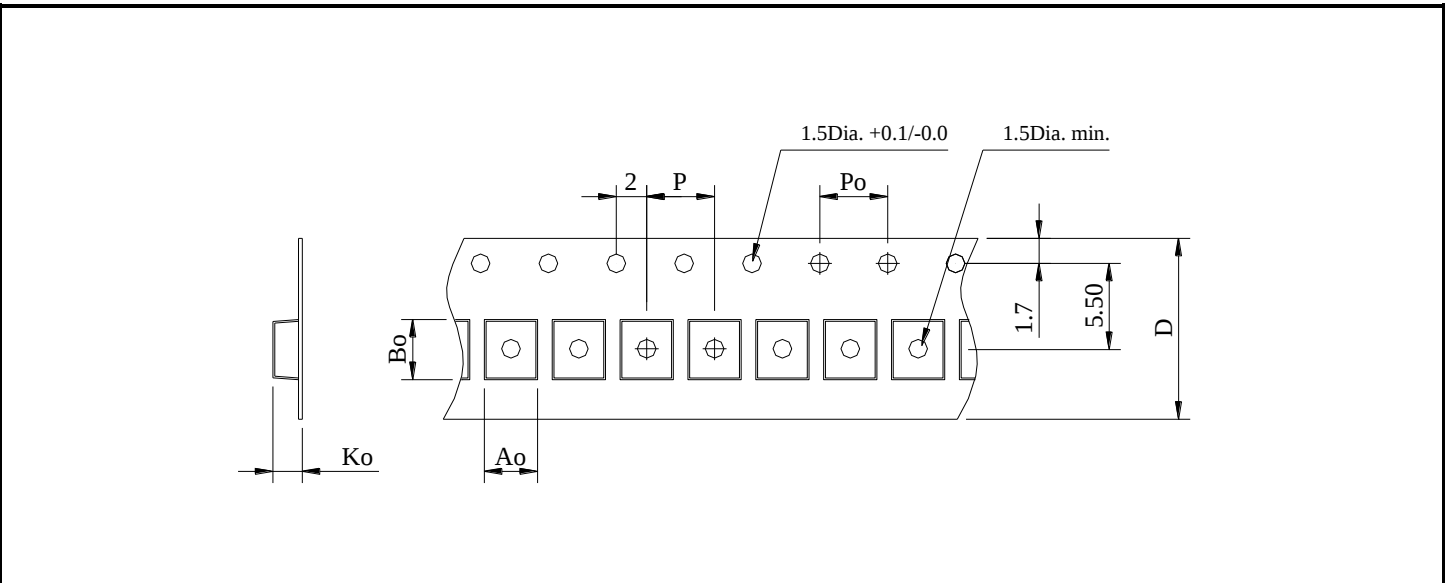


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (mΩ) (Max.)	TEST FREQ. (Freq.)
SEP0605ETM-4R7M-LF-A	4.7±20%	10.0	6.0	22.0	100KHz/0.25V
SEP0605ETM-6R8M-LF-A	6.8±20%	8.5	7.0	26.0	100KHz/0.25V
SEP0605ETM-100M-LF-A	10±20%	7.0	6.0	36.0	100KHz/0.25V

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Irms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C , Electrical specifications at 25°C .
- Automotive grade (AEC-Q200 qualification)

PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D±0.3
13"	1000	7.2	7.0	5.4	12	4.0	16