



Hot Press Molded SMD Power Inductor ~ SEP4030EMH



PART NUMBERING SYSTEM

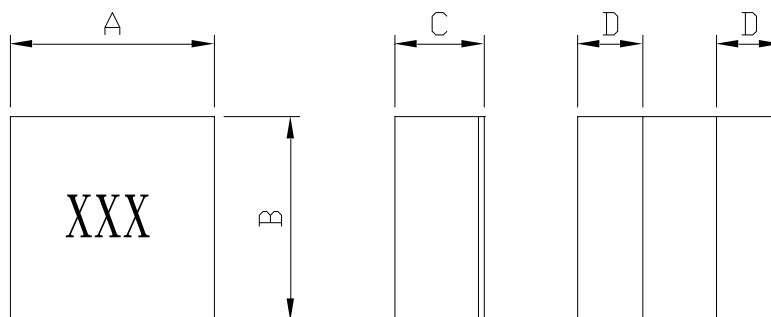
SEP	4030EMH	—	3R3M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Magnetically alloy Power Chokes utilize hot press technology
- Low profile (3.0mm max. height) and 4.0 mm (Length) * 4.0mm (Width) compact original design .
- Low acoustic noise and low leakage flux noise by shielded construction.
- Halogen Free , 100% lead (Pb) Free and RoHS compliant .

SHAPES AND DIMENSIONS :

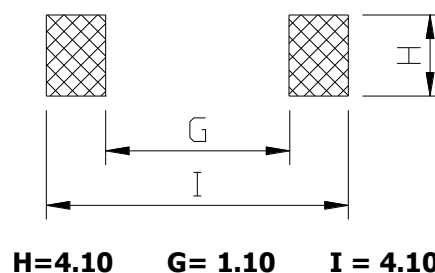
UNIT : mm



$$A=4.00\pm0.30 \quad B=4.00\pm0.30 \quad C=3.0\text{Max.} \quad D=1.40\pm0.30$$

RECOMMENDED PATTERNS

UNIT : mm



$$H=4.10 \quad G= 1.10 \quad I = 4.10$$

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Typ.)	DCR (m Ω) (Max.)
SEP4030EMH-R47M-LF	0.47 $\pm$ 20%	23.0	15.0	5.5	7.0
SEP4030EMH-R68M-LF	0.68 $\pm$ 20%	17.0	9.5	8.3	10.0
SEP4030EMH-1R0M-LF	1.0 $\pm$ 20%	15.5	10.0	10.0	12.0
SEP4030EMH-1R5M-LF	1.5 $\pm$ 20%	12.5	6.5	15.0	18.0
SEP4030EMH-2R2M-LF	2.2 $\pm$ 20%	10.5	9.0	19.0	22.0
SEP4030EMH-3R3M-LF	3.3 $\pm$ 20%	8.5	5.3	30.3	35.0
SEP4030EMH-4R7M-LF	4.7 $\pm$ 20%	7.0	4.3	41.0	46.0
SEP4030EMH-5R6M-LF	5.6 $\pm$ 20%	8.1	4.7	46.5	51.0
SEP4030EMH-6R8M-LF	6.8 $\pm$ 20%	6.3	4.2	51.0	62.0
SEP4030EMH-8R2M-LF	8.2 $\pm$ 20%	5.2	3.9	92.8	102.0
SEP4030EMH-100M-LF	10.0 $\pm$ 20%	3.5	2.4	100.0	115.0

- Inductance is measured with the HP4294A LCR Meter or equivalent @ 1MHz, 0.1Vrms.
- I sat : DC current at which the inductance drops 30% (Typ.) from its value without current.
- I rms : 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 .
- Customized solution is available



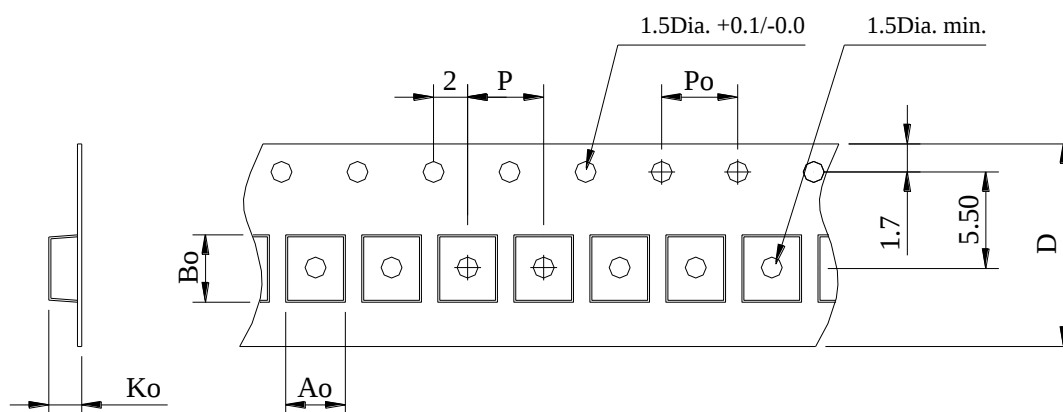
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PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
13"	2,000	4.4±0.3	4.4±0.3	2.2±0.1	8.0±0.3	4.0±0.3	12.0±0.3