



Hot Press Molded SMD Power Inductor ~ CMMPF4020QL



PART NUMBERING SYSTEM

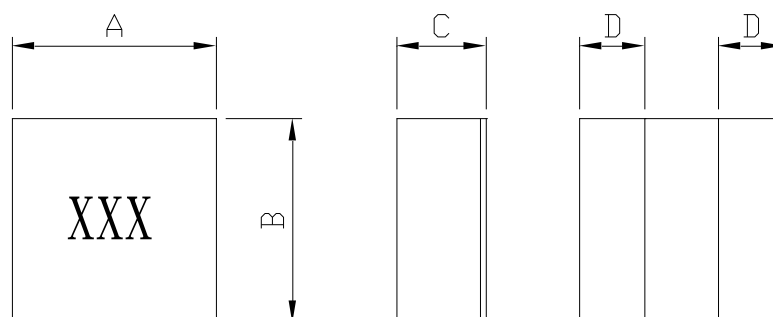
CM	MPF	4020QL	—	R33M	—	SBC
PCODE	TYPE	DIMENSIONS		INDUCTANCE		MATERIAL

FEATURES :

- Magnetically alloy Power Chokes utilize hot press technology
- Low profile (2.0mm 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 :

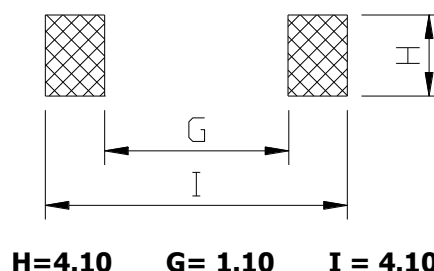
UNIT : mm



$$A=4.00\pm0.30 \quad B=4.00\pm0.30 \quad C=2.0\text{Max.} \quad D=1.40\pm0.30$$

RECOMMENDED PATTERNS

UNIT : mm





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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.)
CMMPF4020QL-R33M-SBC	0.33 $\pm$ 20%	18.0	9.5	5.0	6.0
CMMPF4020QL-R47M-SBC	0.47 $\pm$ 20%	16.0	8.5	7.0	8.5
CMMPF4020QL-1R0M-SBC	1.0 $\pm$ 20%	12.5	6.5	12.0	14.5
CMMPF4020QL-1R5M-SBC	1.5 $\pm$ 20%	10.5	6.0	18.0	22.0
CMMPF4020QL-2R2M-SBC	2.2 $\pm$ 20%	9.5	5.5	30.3	36.0
CMMPF4020QL-3R3M-SBC	3.3 $\pm$ 20%	8.0	5.3	35.0	40.0
CMMPF4020QL-4R7M-SBC	4.7 $\pm$ 20%	6.3	5.0	47.0	58.0
CMMPF4020QL-6R8M-SBC	6.8 $\pm$ 20%	5.4	3.7	90.0	105.0
CMMPF4020QL-100M-SBC	10.0 $\pm$ 20%	4.9	3.4	113.0	135.0
CMMPF4020QL-150M-SBC	15.0 $\pm$ 20%	3.5	2.3	210.0	250.0
CMMPF4020QL-220M-SBC	22.0 $\pm$ 20%	2.9	1.8	275.0	330.0

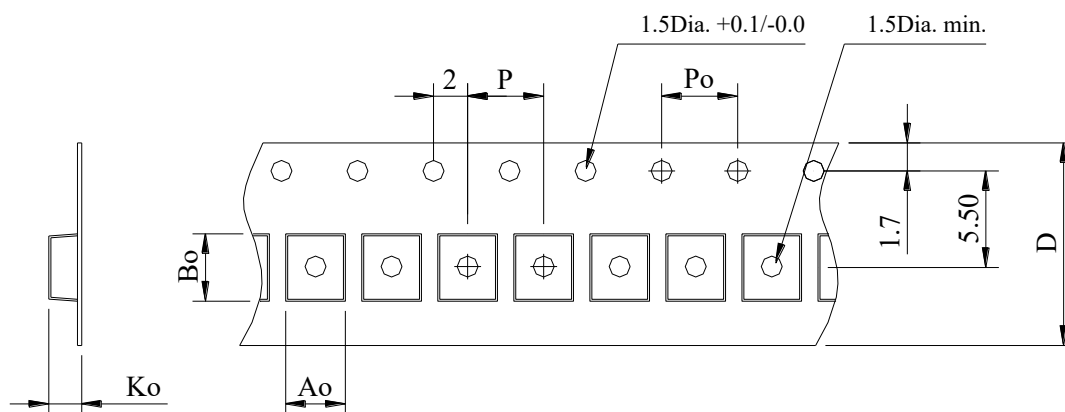
- Inductance is measured with the HP4294A LCR Meter or equivalent @ 1MHz, 0.1Vrms.
- I sat : DC current at which the inductance drops 30% (Typ.) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C .



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PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
13"	3,000	4.4±0.3	4.4±0.3	2.2±0.1	8.0±0.3	4.0±0.3	12.0±0.3