

Molder Power Inductor

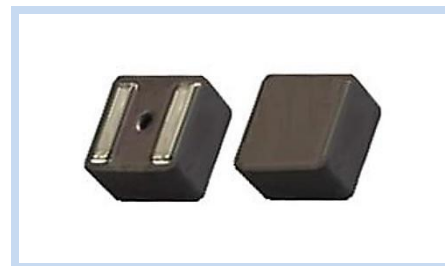
High Current Low DCR AEC-Q200

PIM-0630FMA2

MERITEK

FEATURE

- High Current, Low DCR, High Efficiency
- Soft Saturation
- Minimized Acoustic and Leakage Flux Noise
- Shielded and Compact Construction Design
- AEC-Q200 Compliant
- Application: Note PC Power System, incl. IMVP-6, DC/DC Converter



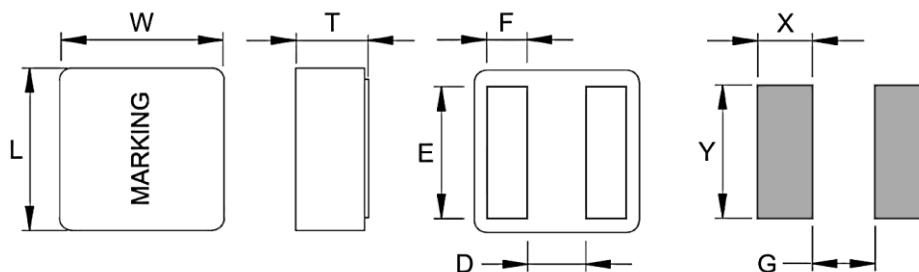
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (μ H)	Tolerance (%)	DCR (m Ω)		Isat (A)		Irms (A)	
			Typ	Max	Typ	Max	20°C Rise	40°C Rise
PIM2R2M0630FMA2	2.2	± 20	11.0	12.2	15.9	11.0	7.0	10.0
PIM3R3M0630FMA2	3.3	± 20	18.8	20.8	12.2	9.0	6.0	8.0
PIM4R7M0630FMA2	4.7	± 20	26.5	29.2	9.0	7.0	4.0	6.0

Note:

1. Inductance test under 100KHz, 0.1V
2. All test data referenced to 25°C ambient
3. Isat based on inductance drop ($\Delta L/L_0$: $\leq 30\%$) approximately.
4. Irms based on temperature rise (ΔT : 40°C) approximately.
5. Rated operating voltage: 40V reference.
6. Operating temperature: -55°C ~ +155°C (Including self-temperature rise)

DIMENSIONS



Unit: mm									
Size Code	L	W	T	D	E	F	X	Y	G
0630	7.2 $\pm$ 0.2	6.9 $\pm$ 0.2	2.9 $\pm$ 0.2	2.6 $\pm$ 0.25	5.05 $\pm$ 0.3	1.4 $\pm$ 0.2	1.55	5.6	2.5

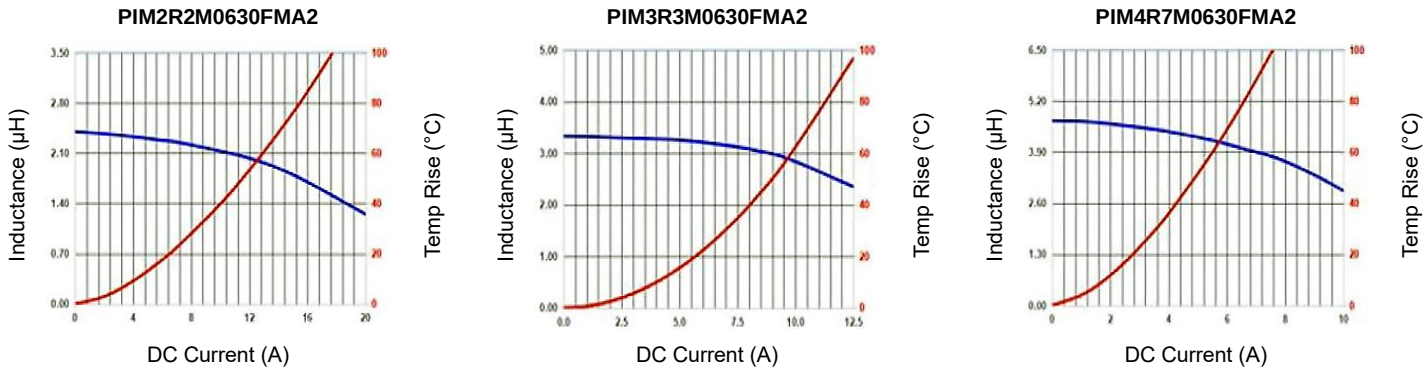
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CHARACTERISTIC CURVES



PART NUMBERING SYSTEM

PIM **4R7M** **0630** **FMA2**
(1) (2) (3) (4)

No.	Item	Code	Description	
(1)	Product Code	PIM	Power Inductor, Molded Type	
(2)	Inductance	4R7M	4.7μH ±20% (M)	2R2: 2.2μH, 3R3: 3.3μH
(3)	Size Code	0630	0630: 6.9 x 2.9mm (W x T)	See dimensions table
(4)	Series Code	FMA2	Molded High Current, Low RDC AEC-Q200 series	

*Specifications subject to change without notice.