

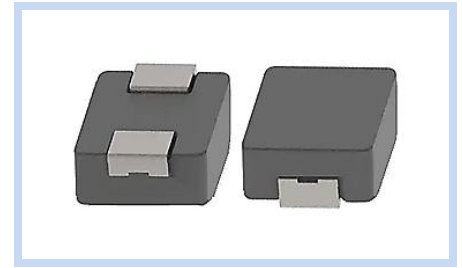
Molder Power Inductor High Current AEC-Q200

PIM-0754WMA2 series

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FEATURE

- High Current, Low DCR, High Efficiency
- 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



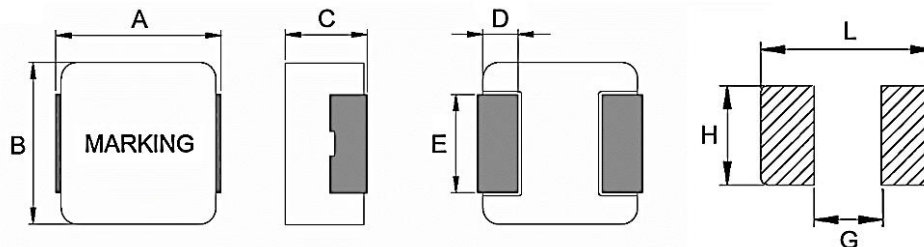
ELECTRICAL CHARACTERISTICS

Part Number	Inductance $\pm 20\%$ (μH)	DCR Max (m Ω)	Isat (A)		Irms (A)	
			Max	Typ	Max	Typ
PIM1R5M0754WMA2	1.50	7.30	14.0	16.3	10.3	11.4
PIM2R2M0754WMA2	2.20	11.40	12.7	14.8	8.7	9.7
PIM3R3M0754WMA2	3.30	15.40	11.6	13.5	7.2	8.0
PIM4R7M0754WMA2	4.70	20.90	11.2	13.1	6.3	7.0
PIM5R6M0754WMA2	5.60	24.00	9.1	10.6	5.9	6.5
PIM6R8M0754WMA2	6.80	26.60	8.7	10.2	5.5	6.1
PIM8R2M0754WMA2	8.20	31.90	7.7	9.0	5.0	5.6
PIM100M0754WMA2	10.00	38.00	6.9	8.0	4.7	5.2
PIM150M0754WMA2	15.00	66.00	5.9	6.9	3.4	3.8
PIM220M0754WMA2	22.00	93.50	5.4	5.3	3.0	3.3
PIM330M0754WMA2	33.00	127.60	4.2	4.9	2.8	3.2
PIM470M0754WMA2	47.00	171.60	3.5	4.1	2.2	2.4
PIM560M0754WMA2	56.00	209.30	2.8	3.3	2.0	2.2
PIM680M0754WMA2	68.00	255.00	2.4	2.8	1.8	2.0
PIM101M0754WMA2	100.00	348.00	2.0	2.4	1.6	1.8

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; Isat based on inductance drop ($\Delta L/L_0$: $\leq 35\%$) for PIM150M0754WMA2
4. Irms based on temperature rise (ΔT : 40°C) approximately.
5. Operating temperature: -55°C ~ +155°C (Including self-temperature rise)

DIMENSIONS



Unit: mm							
A	B	C	D	E	G	H	L
7.7 $\pm$ 0.35	7.2 $\pm$ 0.30	5.2 $\pm$ 0.20	2.0 $\pm$ 0.30	3.0 $\pm$ 0.30	2.55	3.50	9.20

Molder Power Inductor
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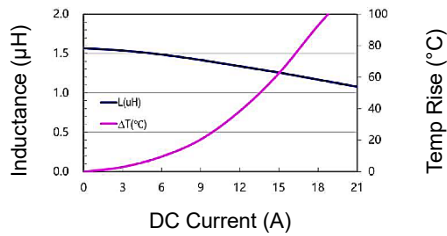
PART NUMBERING SYSTEM

PIM 2R2M 0754 WMA2
(1) (2) (3) (4)

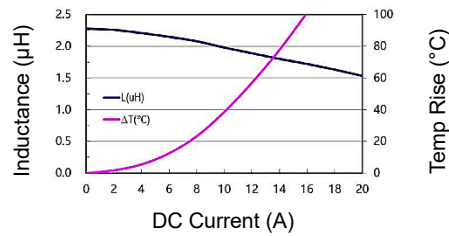
No.	Item	Code	Description	
(1)	Product Code	PIM	Power Inductor, Molded Type	
(2)	Inductance	2R2M	2.2μH ±20% (M)	100: 10μH
(3)	Size Code	0754	0754: 7.7 x 5.4 mm (L x T)	
(4)	Series Code	WMA2	Molded High Current, AEC-Q200 series	

CHARACTERISTIC CURVES

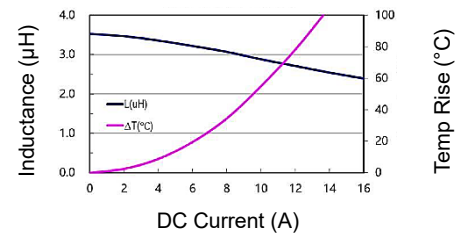
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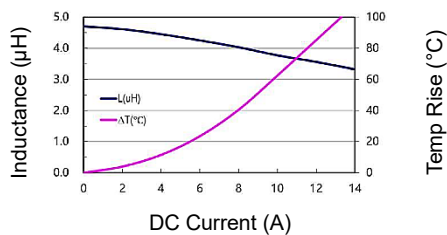
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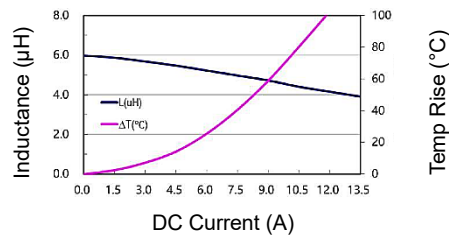
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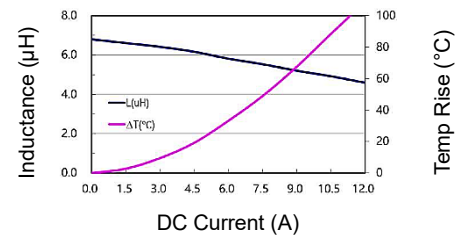
PIM4R7M0754WMA2



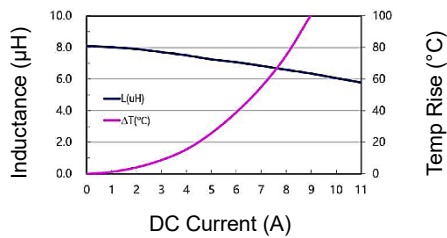
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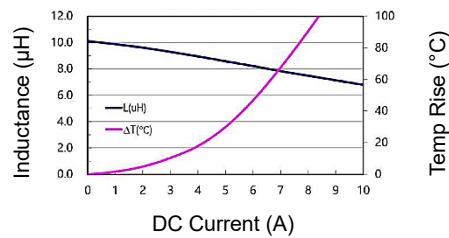
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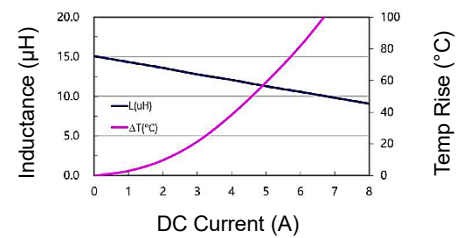
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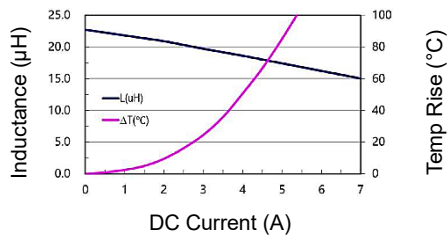
PIM100M0754WMA2



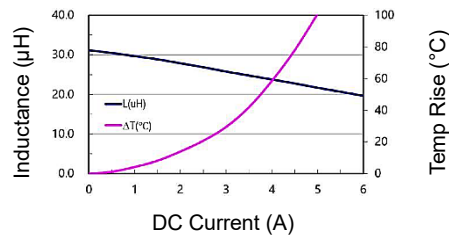
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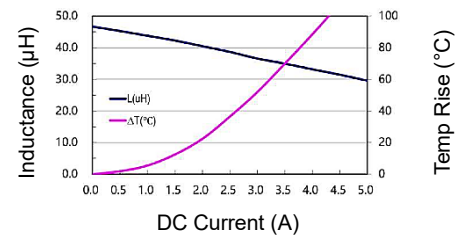
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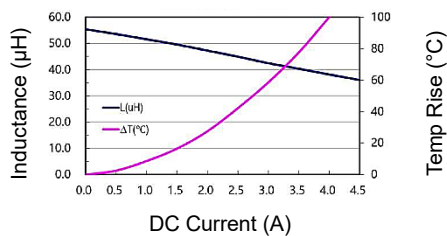
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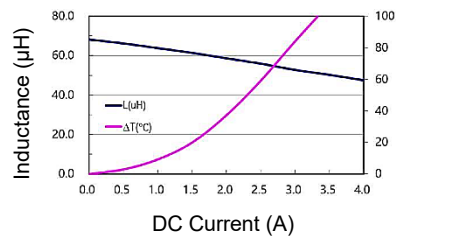
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PIM680M0754WMA2



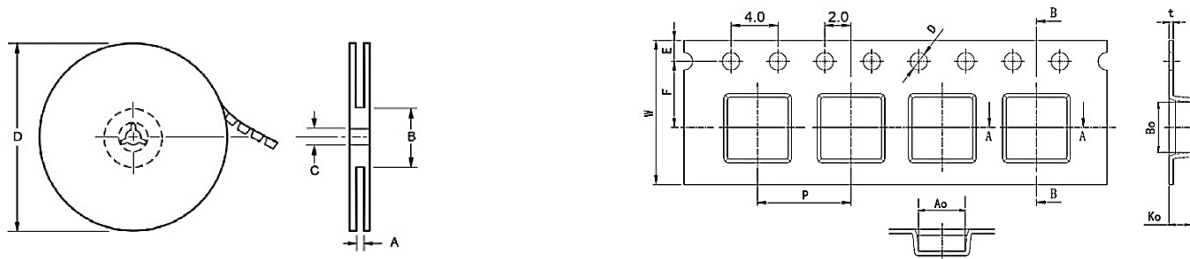
PIM101M0754WMA2



PIM-0754WMA2 series

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PACKAGING SPECIFICATION



Size Code	Reel Dimension (mm)				Tape Dimensions (mm)									Qty
	A	B	C	D	W	P	D	E	F	A0	B0	K0	t	13"
	±0.2	±0.5	±0.2	+2.0	±0.3	±0.1	±0.1	±0.10	±0.10	±0.10	±0.10	±0.10	±0.05	Reel
0754	16.8	97	13.2	330	16.0	12.0	1.55	1.75	7.50	7.70	8.20	5.70	0.50	500

*Specifications subject to change without notice.