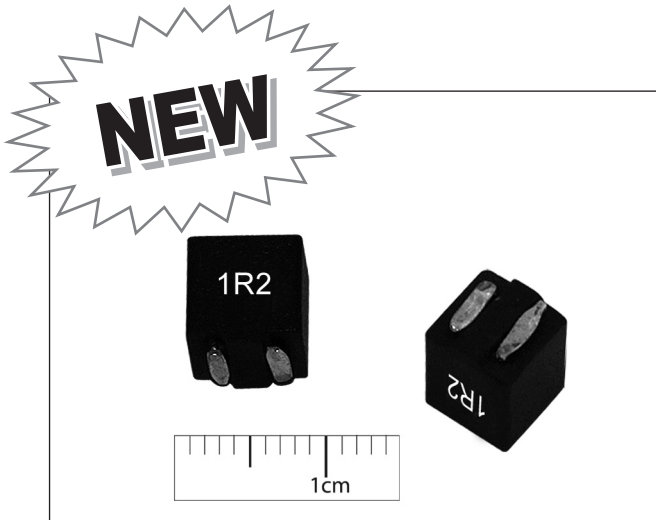


# DIP METAL ALLOY POWER INDUCTORS (LM-XXX SERIES)

**trio**

LM  
02



## ● PART NUMBERING

LM - □□□ □ □□ □ □  
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

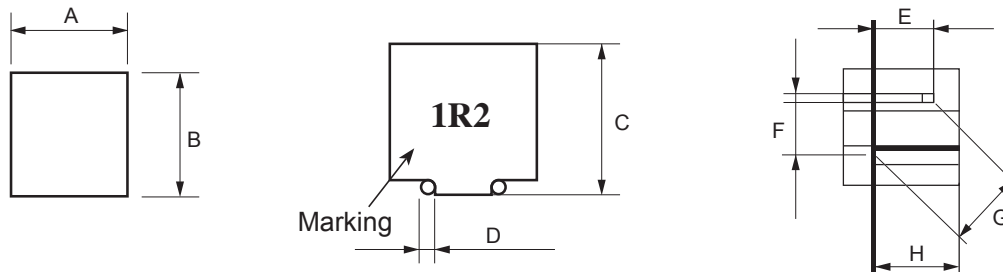
## ● FEATURES

- Molding type with metal alloy powder construction.
- Large current and shielded design.
- Low DC resistance and low copper loss.
- Ultra low buzz noise.
- Surface mount type in tape and reel packaging.

## ● APPLICATIONS

- Personal computers & Servers
- VGA cards
- DC/DC converters
- VRMs

## ● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G	H
LM-072	9.0 Max.	9.0 Max.	10.0 Max.	0.9±0.1	4.6±0.5	4.6±0.5	6.5±0.5	6.0±0.5

## ● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μH)	DCR (Ω, Max.)		Isat (A, Max.)	Irms (A, Max.)
			Typ.	Max.		
LM-80B□072□□	MFG0810-R80□	0.8	0.0023	0.0027	28	20
LM-10A□072□□	MFG0810-1R0□	1.0	0.0028	0.0033	25	20
LM-12A□072□□	MFG0810-1R2□	1.2	0.0033	0.0037	24	18
LM-15A□072□□	MFG0810-1R5□	1.5	0.0040	0.0045	21	15
LM-20A□072□□	MFG0810-2R0□	2.0	0.0046	0.0052	18	13
LM-30A□072□□	MFG0810-3R0□	3.0	0.0073	0.0079	15	11

- All test data is referenced at 25°C ambient
- Inductance test frequency at 100KHz, 1Vrms.
- ΔT= 40°C approximately at Irms.
- Inductance drops approximately 20% at Isat.
- Operating temperature range: -55°C to +150°C

Customers' designs and requirements are welcome.