

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMG TYPE

FEATURES

- ◆ High saturation current up to 60 A.
- ◆ Lowest core losses (MnZn).
- ◆ Extremely low DCR.
- ◆ Recommended solder profile: Reflow.
- ◆ Magnetically shielded.

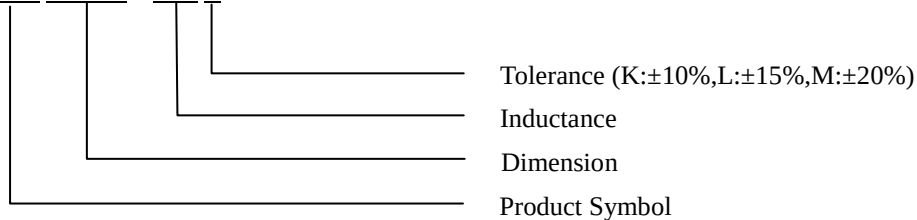


APPLICATIONS

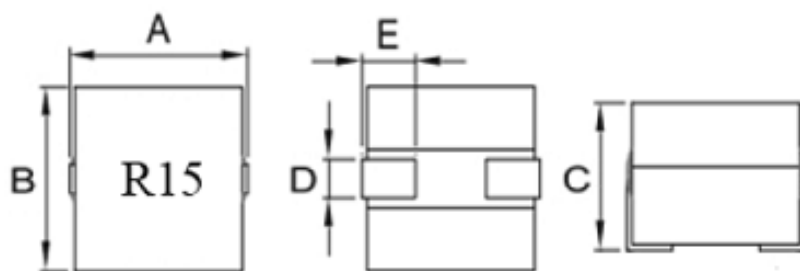
- ◆ Multiphase switching regulator.
- ◆ CPU/RAM power supply.
- ◆ Power PC.
- ◆ Filter.

ORDERING CODE

SMG 120772 – R15 □



DIMENSIONS UNIT: mm



A	12.0 (MAX)	m/m
B	7.60 (MAX)	m/m
C	7.20 (MAX)	m/m
D	1.90 ± 0.2	m/m
E	3.20 ± 0.3	m/m

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ELECTRICAL CHARACTERISTICS FOR SMG 120772

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 120772-R15□	0.15	100KHz/1.0V	0.29 ± 7%	65
SMG 120772-R18□	0.18	100KHz/1.0V	0.29 ± 7%	58
SMG 120772-R22□	0.22	100KHz/1.0V	0.29 ± 7%	45
SMG 120772-R30□	0.30	100KHz/1.0V	0.29 ± 7%	30
SMG 120772-R40□	0.40	100KHz/1.0V	0.29 ± 7%	23

Notes:

- 1) All test Data is referenced to 25°C ambient
- 2) Operating Temperature Range: -40°C to +125°C