

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.

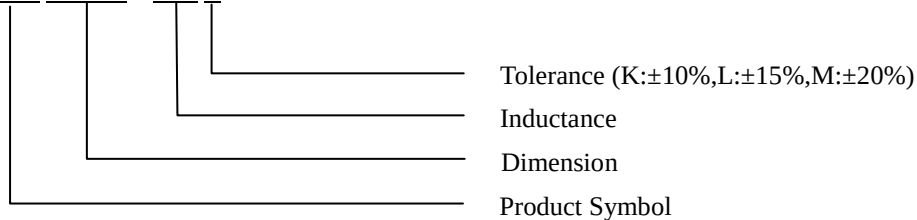


APPLICATIONS

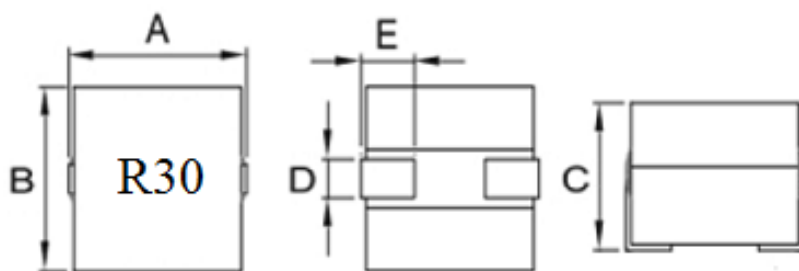
- ◆ Multiphase switching regulator.
- ◆ CPU/RAM power supply.
- ◆ Power PC.
- ◆ Filter.

ORDERING CODE

SMG 101053 – R30 □



DIMENSIONS UNIT: mm



A	10.5 (MAX)	m/m
B	10.1 (MAX)	m/m
C	5.30 (MAX)	m/m
D	2.50 ± 0.2	m/m
E	2.00 ± 0.2	m/m

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMG TYPE

ELECTRICAL CHARACTERISTICS FOR SMG 101053

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 101053-R20□	0.20	100KHz/1.0V	0.26 ± 9%	35
SMG 101053-R25□	0.25	100KHz/1.0V	0.26 ± 9%	28
SMG 101053-R30□	0.30	100KHz/1.0V	0.26 ± 9%	23

Notes:

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