

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.

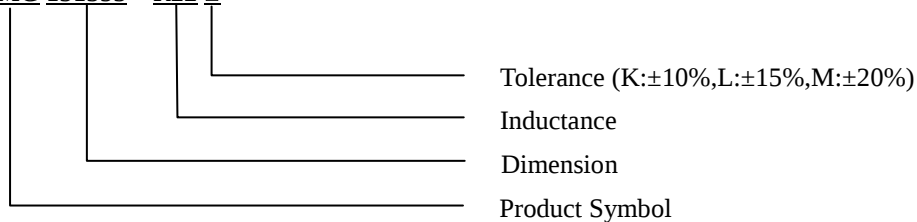


APPLICATIONS

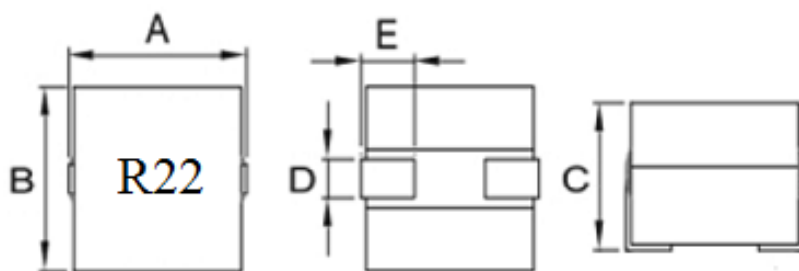
- ◆ Multiphase switching regulator.
- ◆ CPU/RAM power supply.
- ◆ Power PC.
- ◆ Filter.

ORDERING CODE

SMG 131353 – R22 □



DIMENSIONS UNIT: mm



A	13.5 (MAX)	m/m
B	13.2 (MAX)	m/m
C	5.30 (MAX)	m/m
D	5.00 ± 0.2	m/m
E	2.00 ± 0.2	m/m

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ELECTRICAL CHARACTERISTICS FOR SMG 131353

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 131353-R22□	0.22	100KHz/1.0V	0.155 ± 10%	40
SMG 131353-R28□	0.28	100KHz/1.0V	0.155 ± 10%	30
SMG 131353-R31□	0.31	100KHz/1.0V	0.155 ± 10%	24
SMG 131353-R40□	0.40	100KHz/1.0V	0.155 ± 10%	18
SMG 131353-R52□	0.52	100KHz/1.0V	0.155 ± 10%	13

Notes:

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