

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMG TYPE

FEATURES

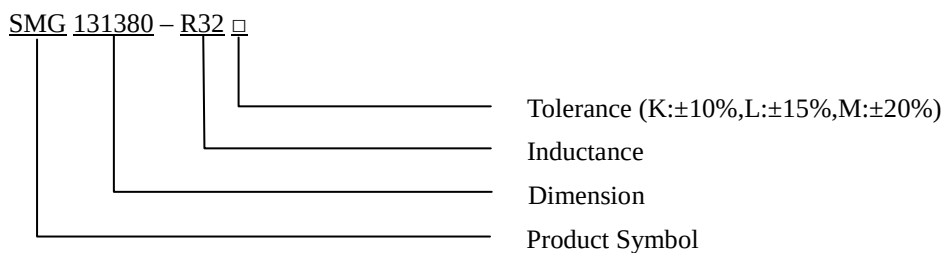
- ◆ High saturation current up to 60 A.
- ◆ Lowest core losses (MnZn).
- ◆ Extremely low DCR.
- ◆ Recommended solder profile: Reflow.
- ◆ Magnetically shielded.



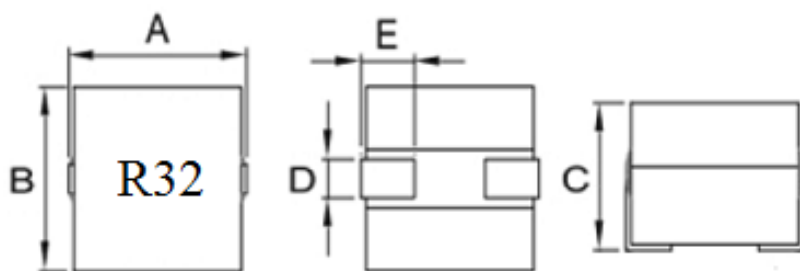
APPLICATIONS

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

ORDERING CODE



DIMENSIONS UNIT: mm



A	13.46 (MAX)	m/m
B	13.0 (MAX)	m/m
C	8.00 (MAX)	m/m
D	5.00 ± 0.2	m/m
E	2.54 ± 0.3	m/m

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ELECTRICAL CHARACTERISTICS FOR SMG 131380

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 131380-R21□	0.21	100KHz/1.0V	0.32 ± 9.4%	71
SMG 131380-R26□	0.26	100KHz/1.0V	0.32 ± 9.4%	60
SMG 131380-R32□	0.32	100KHz/1.0V	0.32 ± 9.4%	50
SMG 131380-R44□	0.44	100KHz/1.0V	0.32 ± 9.4%	35
SMG 131380-R50□	0.50	100KHz/1.0V	0.32 ± 9.4%	28

Notes:

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