

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMG TYPE

FEATURES

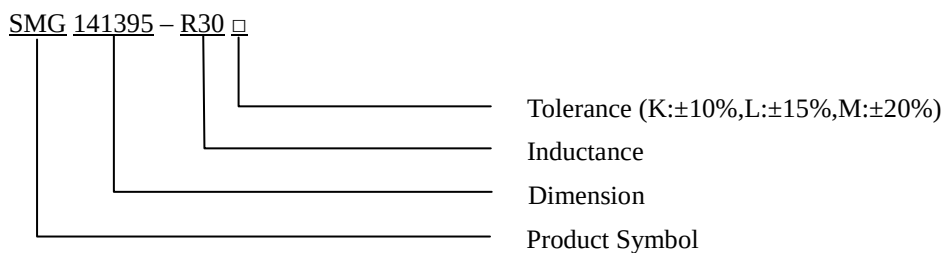
- ◆ High saturation current up to 60 A.
- ◆ Lowest core losses (MnZn).
- ◆ Extremely low DCR.
- ◆ Recommended solder profile: Reflow.
- ◆ Magnetically shielded.



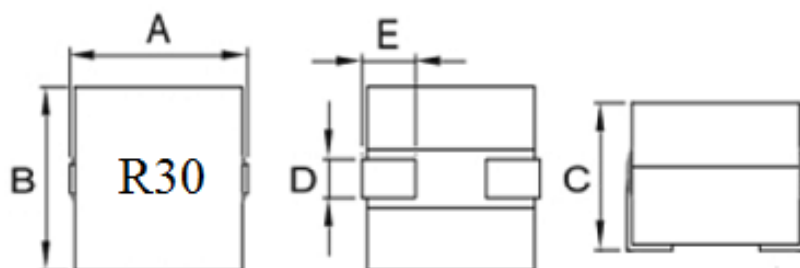
APPLICATIONS

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

ORDERING CODE



DIMENSIONS UNIT: mm



A	14.5 (MAX)	m/m
B	13.3 (MAX)	m/m
C	9.50 (MAX)	m/m
D	3.00 ± 0.2	m/m
E	2.40 ± 0.2	m/m

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ELECTRICAL CHARACTERISTICS FOR SMG 141395

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 141395-R30□	0.30	100KHz/1.0V	0.25 ± 7%	60
SMG 141395-R36□	0.36	100KHz/1.0V	0.25 ± 7%	52
SMG 141395-R45□	0.45	100KHz/1.0V	0.25 ± 7%	43
SMG 141395-R53□	0.53	100KHz/1.0V	0.25 ± 7%	34
SMG 141395-R68□	0.68	100KHz/1.0V	0.25 ± 7%	24

Notes:

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