

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMG TYPE

FEATURES

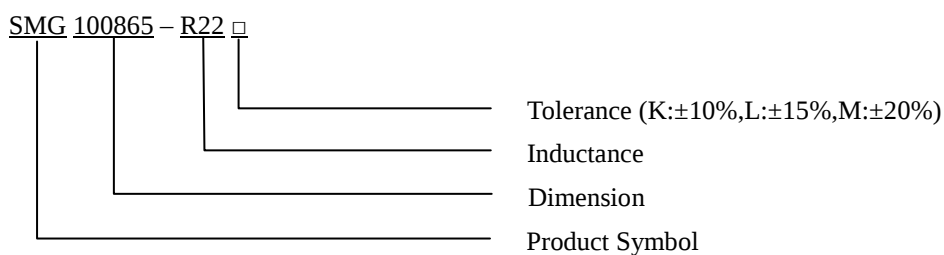
- ◆ High saturation current up to 60 A.
- ◆ Lowest core losses (MnZn).
- ◆ Extremely low DCR.
- ◆ Recommended solder profile: Reflow.
- ◆ Magnetically shielded.



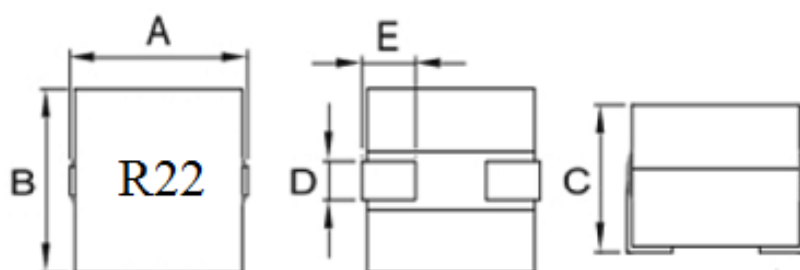
APPLICATIONS

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

ORDERING CODE



DIMENSIONS UNIT: mm



A	10.42 (MAX)	m/m
B	8.00 (MAX)	m/m
C	6.50 (MAX)	m/m
D	2.30 ± 0.2	m/m
E	2.54 ± 0.3	m/m

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ELECTRICAL CHARACTERISTICS FOR SMG 100865

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 100865-R12□	0.12	100KHz/1.0V	0.48 ± 8%	74
SMG 100865-R14□	0.14	100KHz/1.0V	0.48 ± 8%	66
SMG 100865-R17□	0.17	100KHz/1.0V	0.48 ± 8%	55
SMG 100865-R22□	0.22	100KHz/1.0V	0.48 ± 8%	43
SMG 100865-R30□	0.30	100KHz/1.0V	0.48 ± 8%	30

Notes:

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