

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.

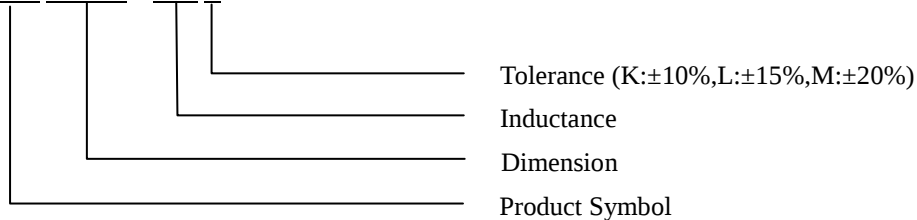


APPLICATIONS

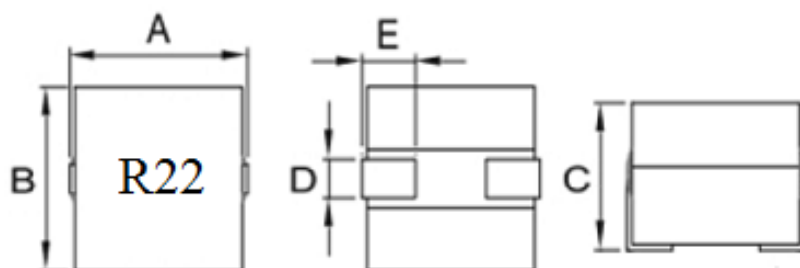
- ◆ Multiphase switching regulator.
- ◆ CPU/RAM power supply.
- ◆ Power PC.
- ◆ Filter.

ORDERING CODE

SMG 070775 – R22 □



DIMENSIONS UNIT: mm



A	7.50 (MAX)	m/m
B	7.50 (MAX)	m/m
C	7.50 (MAX)	m/m
D	2.00 ± 0.2	m/m
E	1.80 ± 0.2	m/m

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMG TYPE

ELECTRICAL CHARACTERISTICS FOR SMG 070775

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ)	IDC (A) Max
SMG 070775-R12□	0.12	100KHz/1.0V	0.29 ± 10%	50
SMG 070775-R16□	0.16	100KHz/1.0V	0.29 ± 10%	40
SMG 070775-R22□	0.22	100KHz/1.0V	0.29 ± 10%	27

Notes:

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