

SMD Power Inductor | BDS-3812E

Features

- Magnetic shielded structure
- Low DC resistance & high inductance
- Tape & reel for auto-placement

Recommended Applications

- DC/DC converters for small sized LCDs
- Mobile phones, PDA's, MP3 players
- Camera phones, notebooks

Electrical Characteristics

*Electrical specifications are measured at:
20±2 Degree Celsius, Humidity 65±5%
Operating Temperature : -30°C ~ +70°C
Storage Temperature : -40°C ~ +85°C*

Electrical Characteristics

Part Number	Inductance	D.C.R. (Max)	Rated Current (max)
BDS-3812E-2R5M	2.5µH ± 20	0.10Ω	1.00A
BDS-3812E-3R8M	3.8µH ± 20	0.13Ω	800mA
BDS-3812E-4R7M	4.7µH ± 20	0.16Ω	750mA
BDS-3812E-6R8M	6.8µH ± 20	0.23Ω	650mA
BDS-3812E-100M	10µH ± 20	0.30Ω	600mA
BDS-3812E-150M	15µH ± 20	0.50Ω	450mA
BDS-3812E-220M	22µH ± 20	0.70Ω	350mA
BDS-3812E-330M	33µH ± 20	0.90Ω	300mA
BDS-3812E-470M	47µH ± 20	1.30Ω	250mA
BDS-3812E-680M	68µH ± 20	1.70Ω	200mA
BDS-3812E-101M	100µH ± 20	3.00Ω	160mA
BDS-3812E-151M	150µH ± 20	4.50Ω	140mA
BDS-3812E-221M	220µH ± 20	6.00Ω	110mA
BDS-3812E-331M	330µH ± 20	9.00Ω	95mA
BDS-3812E-471M	470µH ± 20	13.00Ω	80mA
BDS-3812E-681M	680µH ± 20	17.00Ω	70mA
BDS-3812E-821M	820µH ± 20	23.00Ω	60mA
BDS-3812E-102M	1.0mH ± 20	25.00Ω	50mA
BDS-3812E-152M	1.5mH ± 20	40.00Ω	45mA

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► **Mechanical Dimensions**

