

SMD Power Inductor | BDS-4512E

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 -4512E-2R2M	2.2µH ± 20	0.09Ω	1.90A
BDS -4512E-3R5M	3.3µH ± 20	0.12Ω	1.60A
BDS -4512E-4R7M	4.7µH ± 20	0.15Ω	1.40A
BDS -4512E-6R8M	6.8µH ± 20	0.19Ω	1.20A
BDS -4512E-100M	10µH ± 20	0.28Ω	980mA
BDS -4512E-150M	15µH ± 20	0.38Ω	800mA
BDS -4512E-220M	22µH ± 20	0.52Ω	660mA
BDS -4512E-330M	33µH ± 20	0.80Ω	540mA
BDS -4512E-470M	47µH ± 20	1.30Ω	440mA
BDS -4512E-680M	68µH ± 20	1.70Ω	370mA
BDS -4512E-101M	100µH ± 20	2.60Ω	300mA
BDS -4512E-151M	150µH ± 20	4.30Ω	250mA
BDS -4512E-221M	220µH ± 20	5.50Ω	210mA
BDS -4512E-331M	330µH ± 20	9.30Ω	170mA
BDS -4512E-471M	470µH ± 20	11.50Ω	140mA
BDS -4512E-561M	560µH ± 20	15.00Ω	120mA
BDS -4512E-681M	680µH ± 20	17.50Ω	110mA
BDS -4512E-821M	820µH ± 20	22.00Ω	100mA
BDS -4512E-102M	1.0mH ± 20	25.00Ω	90mA
BDS -4512E-152M	1m5mH ± 20	40.00Ω	80mA

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Mechanical Dimensions

