

**SMD Power Inductor | BDS-4020R**

**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-4020R -1R0M	1.0µH ± 20	0.045Ω	2.21A
BDS-4020R -1R5M	1.5µH ± 20	0.05Ω	1.8A
BDS-4020R -2R2M	2.2µH ± 20	0.06Ω	1.49A
BDS-4020R -3R3M	3.3µH ± 20	0.07Ω	1.21A
BDS-4020R -4R7M	4.7µH ± 20	0.08Ω	1.02A
BDS-4020R -6R8M	6.8µH ± 20	0.085Ω	0.84A
BDS-4020R -100M	10µH ± 20	0.095Ω	0.70A
BDS-4020R-220M	22µH ± 20	0.16Ω	0.47A
BDS-4020R -680M	68µH ± 20	0.575Ω	0.26A
BDS-4020R -221M	220µH ± 20	2.25Ω	0.15A
BDS-4020R -470M	47µH ± 20	0.34Ω	0.32A
BDS-4020R -150M	15µH ± 20	0.135Ω	0.57A
BDS-4020R -101M	100µH ± 20	1.1Ω	0.22A
BDS-4020R -102M	1000µH ± 20	8.8Ω	0.07A
BDS-4020R -330M	33µH ± 20	0.275Ω	0.38A
BDS-4020R -331M	330µH ± 20	2.9Ω	0.12A
BDS-4020R -471M	470µH ± 20	4.3Ω	0.10A
BDS-4020R -681M	680µH ± 20	5.4Ω	0.08A
BDS-4020R -151M	150µH ± 20	1.4Ω	0.18A
BDS-4020R-222M	2200µH ± 20	17.0Ω	0.047A
BDS-4020R-472M	4700µH ± 20	45.0Ω	0.055A

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► **Mechanical Dimensions**

